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GREAT WORLD ATLAS

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THE READER'S DIGEST GREAT WORLD ATLAS

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From the centre of the Earth

to the outermost limits of space

PARADISE IS SOMEWHERE IN THE FAR EAST. JERUSALEM IS THE CENTRE OF ALL NATIONS AND COUNTRIES, AND THE WORLD ITSELF IS A FLAT DISK SURROUNDED BY OCEANS OF WATER. So the monks, map-makers of the Middle Ages, saw the world they lived in.

Today, our knowledge of the world has increased through travel and exploration and scientific discovery. This Atlas has drawn on the sum of that knowledge—knowledge that has been accumulated through many life-times of research.

We look at THE FACE OF THE WORLD, starting with a view of our Earth in space. The following maps made from sculptured models show in relief how our world would appear to an observer at a point some hundred miles above the Earth's surface. The peaks of the great mountain ranges show in sharp contrast to the worn surfaces of older rocks and the flat plains formed by the great rivers. The levels of the ocean floor tell the history of submerged lands and of yet unexplored deeps. Here, a new dimension has been added to standard map-making.

Next come THE COUNTRIES OF THE WORLD. Towns and cities, rivers and railways can all be found easily, for the colouring is subdued and the text clear and definitive. Together with the relief maps they complete a picture of the landscape of our Earth and of the places where we live.

The third section portrays THE WORLD AS WE KNOW IT. Incurably inquisitive, man searches continually for knowledge about our world and about other worlds beyond. He now knows that he is only one of many forms of life on the thin crust of a planet revolving round the Sun—a minor star at the edge of the Milky Way. A multi-million starred galaxy, the Milky Way is itself only one among a million other galaxies moving in the black infinity of space where traditional concepts of north and south are meaningless.

It is a vision that dwarfs the globe on which we live and makes man seem very small; but it also gives him a new importance. For on this tiny planet life has been created and developed, and as yet we do not know whether the delicate balance of conditions which has made evolution possible on this planet has ever been repeated on any other.

The marvel of this creation cannot be told by any single map or chart. Each feature in the third section of this Atlas has been devised to illustrate a facet of it—our place in the universe, the mystery of our neighbours in space, the world beneath our feet, the evolution of life, the creatures around us, the growth and disappearance of civilizations, the beliefs of man, and his migrations. Each subject is linked to another: climate to cultivation, cultivation to food, food to health, for none of the world's problems can be seen in isolation. All are related to and interwoven with one another.

This Atlas, in presenting geographically the facts about Earth and life and space, also offers many pointers towards exploration in the future which lies before us.

THE EDITORS

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THE FACE OF THE WORLD

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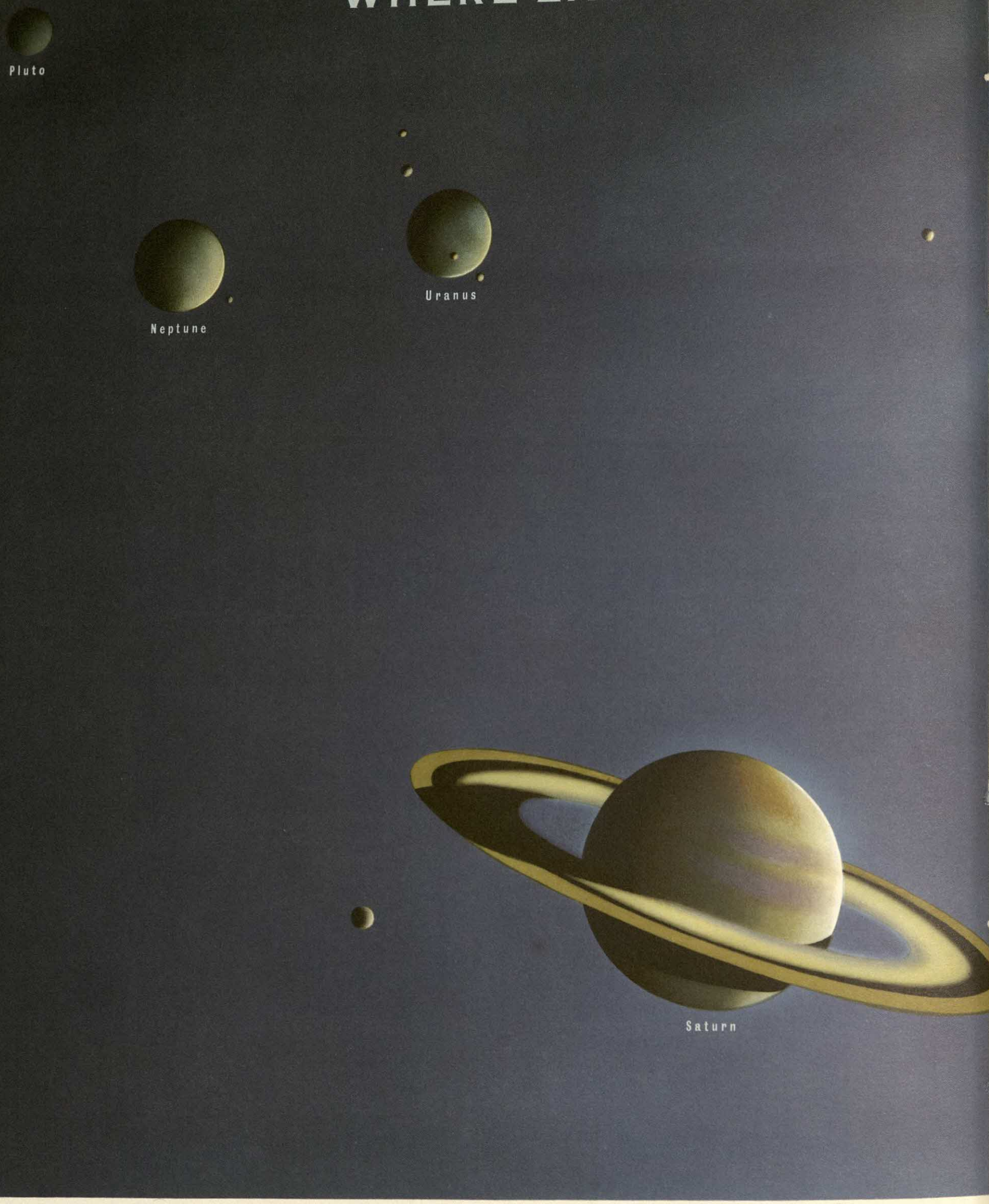
WHERE EARTH BELONGS:



THE SUN AND ITS PLANETS—AS VIEWED FROM A POINT IN SPACE

THE Sun dominates and dwarfs its solar family of nine major planets and at least a thousand tiny planets called "asteroids". Jupiter, the Sun's largest dependent planet, is but a speck by comparison with it, and the volume of Jupiter is roughly 1,300 times that of Earth. The Sun contains over 99·87 per cent of the entire mass in our Solar System. Yet, despite their comparative smallness and the enormous distances of empty space that separate them from the Sun and from one another, the Sun keeps its planets under strict control.

Revolving round it continuously in elliptical orbits, these planets are held near the Sun by the pull of gravity, and kept from being drawn into it by the speed with which they move through space. The closer they are to the Sun, the faster they move. Mercury—at an average distance of 36 million miles, the planet nearest to the Sun—averages only 88 days to travel right round it, moving at a speed of nearly 30 miles a second. The Earth, whose average distance from the Sun is 93 million miles, needs exactly one year to complete its orbit, travelling at a speed of 18·5 miles per second, or roughly 66,600 miles per hour. Pluto, the most distant known planet, about 3,666 million miles from the Sun, takes just over 248 years at a speed of a mere three miles a second to make one journey round it.

Moving at different speeds, in separate orbits, and at varying distances from the Sun, the planets, as viewed from the Earth which is itself moving, *appear* to be changing constantly in size and brightness. Venus, well known as the Morning Star or Evening Star, comes as close to the Earth as about 25·5 million miles, and goes as far away as 160 million miles.

Life as we know it cannot exist on any other planet in our Solar System. Mercury is so close to the Sun that the temperature on its sunlit side is estimated to be of the order of 400°C. Venus, about twice as far from the Sun as Mercury is roughly 25 million miles closer to it than the Earth, and probably has a maximum surface temperature of 440°C. Of the planets farther than Earth from the Sun, Jupiter, Saturn (its semi-transparent rings made up of fine particles, dense enough to throw a shadow over the planet's surface), Uranus, Neptune and Pluto are all too cold, and their atmospheres

THE SOLAR SYSTEM

Jupiter

Mars

Earth

Mercury

Venus

SUN

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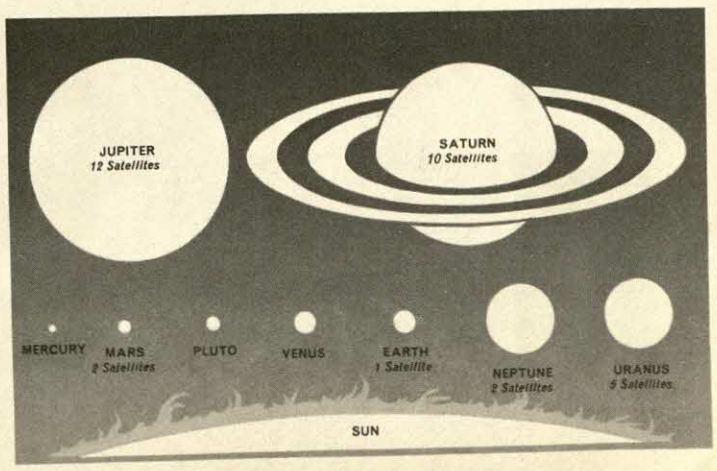
contain high concentrations of poisonous gases—helium, hydrogen, methane and ammonia. Some form of life is thought to exist on Mars, but, to live in the planet's thin, icy air, is probably a form of primitive vegetation.

The Earth is the only member of our Sun's family known to support living creatures. Alone among the planets in the Solar System—though not perhaps among those belonging to the millions of sun-like stars in the Universe—the Earth's composition and distance from the Sun seem to have provided exactly the right conditions in which evolution to an advanced form of life could develop.

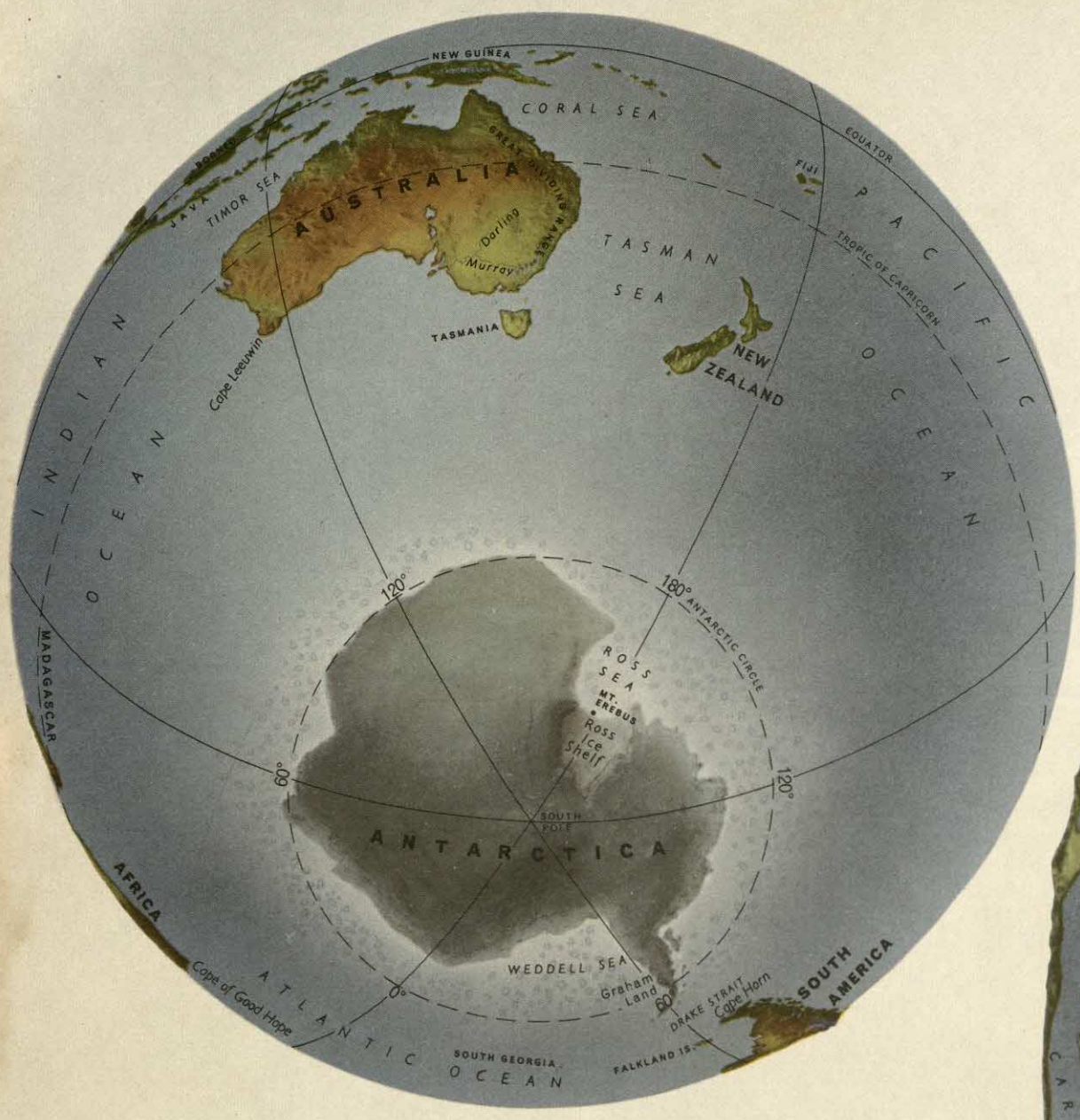
The life-giving energy of the Sun, the source of all the heat and light in our Solar System, is generated by nuclear reactions in its interior, which raise the temperature deep inside it to about 14 million degrees Centigrade. So tremendous is the radiation rate of the Sun's energy, that it loses some four million tons in weight every second. Yet, despite this rate of loss, it is estimated that the Sun will survive as a source of energy for at least another 8,000 million years.

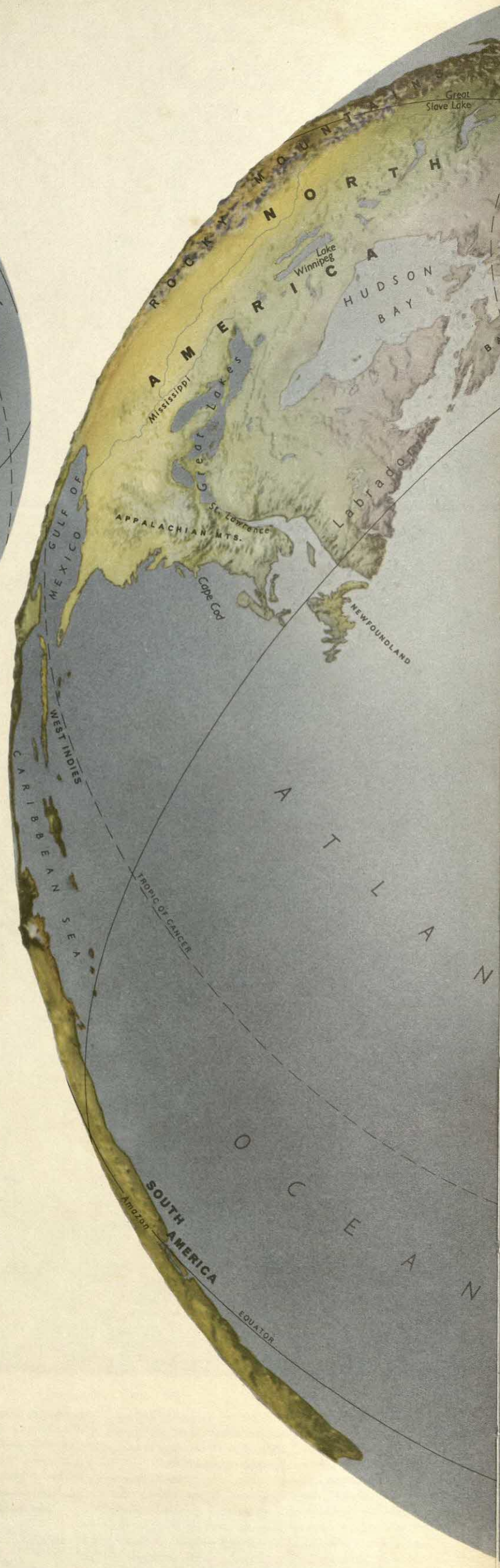
DISTANCE OF PLANETS FROM EARTH (IN MILES)

	MOON	MARS	URANUS
Maximum	253,000	247,000,000	1,946,000,000
Minimum	222,000	34,000,000	1,594,000,000
	MERCURY	**JUPITER**	**NEPTUNE**
Maximum	136,900,000	597,000,000	2,891,000,000
Minimum	49,100,000	362,000,000	2,654,000,000
	VENUS	**SATURN**	**PLUTO**
Maximum	160,900,000	1,023,000,000	4,506,000,000
Minimum	25,700,000	773,000,000	2,605,000,000



SOUTH POLE AND NORTH POLE





The relief maps on the following 20 pages present the world as it might be seen from a point 100 miles up in a clear sky, without dust or haze in the atmosphere to hinder visibility.

Looking down we see the snow and ice covered regions edging the Arctic Ocean; the Antarctic, bleak and formidable in its cold isolation; the lands becoming warmer as we approach the equator; the shadowy forms of hills rising above the general level of the Earth; the great mountain ranges in all their ruggedness, forming immense natural barriers as they sweep across the continents regardless of man-imposed boundaries; the low-lying plains, some richly fertile, others wide, arid wastes.

We see the coastline, sometimes falling abruptly, sometimes sloping gently, down to the sea, which in places is so shallow that it gives a clear pattern of the shapes of continents in their early evolution. We become aware of the vastness of the oceans, the great depths in many of them, and their submerged mountain ranges.

The colouring used in the maps gives some idea of what a country is like on the ground. It is an indication as to whether a place is hot or cold, wet or dry, icebound or desert; whether it has a thick coverage of vegetation, or is entirely barren; whether it is grassland or scrub-land, cold forest or impenetrable steaming jungle.

Ice caps
Areas permanently under snow or ice, in which the whole, or almost the whole, precipitation is in the form of snow, and temperatures are always low.

Mountain flora and moorland
Areas not normally as cold as Tundra and without permanently frozen subsoil; with bare rocky surfaces or stunted moorland vegetation (tufted grasses, heather, etc.).

Tundra
Areas mainly cold except for short summer periods; permanently frozen subsoil; stunted vegetation—mosses, lichens, short-rooted plants and, at the warmer margins, a few bushes.

Coniferous forest
Areas with snow cover for a few months in the year, very low winter temperatures and little rainfall—the great "cold" forests of coniferous trees.

Deciduous forest or mixed woodland
Areas warmer and wetter than "cold" forest regions, with over fifty per cent of tree cover, usually in the form of open and mainly deciduous woodland.

Temperate grassland or woodland
Rather wet areas in the middle latitudes, with no extremes of temperature; over fifty per cent grassland and the rest mainly mixed woodland.

Prairie
Areas with a "continental" climate (seasonal extremes of temperature and rather scanty rainfall) now used for extensive cultivation or grazing.

Mediterranean
Areas with the typical Mediterranean climate of warm, wet winters and hot, dry summers, and the resultant rather sparse vegetation-cover of scrub woodland, olives, vines, etc.

Desert
Areas with little or no rainfall, great extremes of temperature—daily, seasonal or both—barren, rocky, stony, or sandy land with no vegetation apart from small patches of quick-growing plants in places when rain does fall.

Semi-desert
Areas with scanty intermittent rainfall, and usually great extremes of temperature, often bordering on true deserts; with salt bush, scrub and xerophytic plants.

Savannah or hot grassland
Tropical areas with high temperatures; usually covered with grass and low stunted trees, forming a yellowish-brown landscape in the dry season, and reviving in the wet season.

Tropical forest or jungle
Areas of great heat and moisture and very luxuriant vegetation.

ALEUTIAN ISLANDS
BERING SEA
Kamchatka
BERING STRAIT
180°
SEA OF OKHOTSK
BEAUFORT SEA
ARCTIC OCEAN
Mackenzie
Great Bear Lake
120°
NOVOSIBIRSKIYE OSTROVA
Lena
120°
NORTH POLE
Oz. Baykal
ELLESMERE ISLAND
FFIN ISLAND
BAFFIN BAY
Yenisey
Zapadno-Sibirskaya Nizmennost'
Ob'
SVALBARD
NOVAYA ZEMLYA
GREENLAND
60°
DAVIS STRAIT
BARENTS SEA
URAL'SKIY KHREBET
ARCTIC CIRCLE
NORWEGIAN SEA
0°
ICELAND
C. Farewell
Onezhskoye Oz.
Ozero Balkhash
Tarim Basin
Tibetan Plateau
PAMIRS
Ladozhskoye Oz.
ARAL'SKOYE MORE
Scandinavia
BALTIC SEA
BRITISH ISLES
NORTH SEA
Volga
CASPIAN SEA
KAVKAZ
BLACK SEA
Danube
ALPS
Deccan Plateau
Cape Finisterre
PYRENEES
Euphrates
PERSIAN GULF
Arabian Peninsula
ARABIAN SEA
MEDITERRANEAN SEA
STRAIT OF GIBRALTAR
RED SEA
Nile
ATLAS MOUNTAINS
CANARY ISLANDS
AHAGGAR
TIBESTI
Sahara
Cape Verde
Lake Chad
Niger
Lake Victoria
Congo
GULF OF GUINEA

ATLANTIC OCEAN
BAY OF BISCAY
ENGLISH CHANNEL
NORTH SEA
NORWEGIAN SEA
BARENTS SEA
ARCTIC
BRITISH ISLES
HEBRIDES
SHETLAND
FÆRÖERNE (DAN.)
JAN MAYEN (NOR.)
SVALBARD (NOR.)
ARCTIC CIRCLE
SKAGERRAK
GULF OF BOTHNIA
BALTIC SEA
GULF OF FINLAND
LOFOTEN
BJÖRNÖYA
ZEMLYA FRANTSA IOSIFA
NOVAYA ZEMLYA
BELOYE MORE
OSTROV KOLGUYEV
OSTROV KAYGACH
MYS KANIN NOS
Nordkopp
Scandinavia
Dublin
Glasgow
Edinburgh
Cardiff
Liverpool
London
Bergen
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Stockholm
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Riga
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Chudskoye Ozero
Ladozhskoye Ozero
Onezhskoye Ozero
Severnaya Dvina
Pechora
Salekhard
Sykhtyvkar
Loire
Rhône
Rhein
Elbe
Po
Marseille
Lyon
Milano
Genova
Firenze
Roma
Venezia
Trieste
Zagreb
Beograd
Budapest
Arad
Ajaccio
Corse
ALPS
ADRIATIC SEA
BALMATIAN TS.
CARPATHIANS
CARPATHI MERIDIONALI
Bucureşti
Danube
Tirana
Sofiya
Thessaloniki
Aegean Sea
Crete
Kriti
Rhodos
MEDITERRANEAN SEA
Vilnyus
Minsk
Vitebsk
Smolensk
Moskva
Kalinin
Yaroslavl
Gor'kiy
Volga
Kostroma
Ivanovo
Vladimir
Gorodets
Pripyat' Marshes
Dnepr
Kiyev
Gomel'
Orel
Tula
Kursk
Kharkov
Dnepropetrovsk
Odessa
Sevastopol
Crimea
Donetsk
Rostov
Krasnodar
Astrakhan
Volgograd (Stalingrad)
Guryev
Groznyy
Batumi
Tbilisi
Baku
Erzurum
Van Gölü
Ararat
Kura
Caspian Sea
Plato Ustyurt
Aral'sk
Aral'skoye More
Syr Dar'ya
Turgay
Ishim
Akmolinsk
Karaganda
Semipalatinsk
Peski Kyzyl Kum
Peski Kara Kum
Khiva
Krasnovodsk
Amu Dar'ya
Golodnaya Step
Ozero Balkhash
Chardzhou
Bukhara
Samarkand
Tashkent
Frunze
Alma Ata
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Khyber Pass
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Srinagar
Kandahār
Helmand
Quetta
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Amritsar
Simla
Sutlej
Indus
Kalāt
Sulaiman Range
Bandar' Abbās
Chāh Bahār
Gwādar
Karāchi
Bela
Jodhpur
Jaipur
Āgra
Delhi
Lucknow
Kānpur
Vārānasi
Ganga
Thar Desert
Sind
Omsk
Irtysh
Ishim
Ob'
Tobol
Ufa
Saratov
Kuybyshev
Chelyabinsk
Sverdlovsk
Nizhniy Tagil
Perm
Kazan'
Izhevsk
Berezniki
Tobol'sk
Petropavlovsk
Magnitogorsk
Orenburg
Ural'sk
Ural
Kama
Volga
Don
Dnepr
Dnestr
Pripyat'
Marshes
Ukraine
Zapadno-Russkaya Vozvyshennost'
Valdayskaya Vozvyshennost'
Kerch
Krymskoye More
Sea of Azov
Turkey
Syria
Iraq
Iran
Afghanistan
Pakistan
India
Soviet Union
Arabia
Yemen
Southern Yemen
Oman
Muscat & Oman
Trucial Oman
Qatar
Bahrein (Br.)
Kuwait
Neutral
Persian Gulf
Gulf of Oman
Arabian Sea
Red Sea
Cyprus
Nicosia
Antalya
Adana
Alexandria
Port Said
Tel Aviv
Beirut
Lebanon
Israel
Damascus
Amman
Jordan
Aqaba
Jerusalem
Suez Canal
Sinai Pen.
Nile
Cairo
Asyūt
Aswân
Tropic of Cancer
Qusair
Al Wajh
Medina
Jiddah
Mecca
Suakin
Massawa
Ṣanʿā
Ḥaʾil
Buraydah
Riyādh
Al Ḥufūf
Qatif
Doha
Sharja
Abū Dhabi
Dubai
Muscat
Masqat
Rub al Khali
An Nafud
Dasht-e Lūt
Tigris
Euphrates
Baghdād
Al Jawf
Basra
Abādān
Bandar-e-Shāhpūr
Shīrāz
Kermān
Būshehr
Yazd
Isfahān
Hamadān
Tehrān
Rasht
Mosul
Tabrīz
Lake Urmia
Elburz Mts.
Damavand
Kopet Dag
Caspian Sea
Black Sea
Sinop
Istanbul
İzmir
Ankara
Antalya
Adana
Aegean Sea
Crete
Kriti
Rhodos
Cyprus
Nicosia

EURASIA

ARCTIC OCEAN
EAST SIBERIAN SEA
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Ganga
Shillong
KHASI HILLS
Silchar
BURMA
NAGA HILLS
Brahmaputra
Tali
Myitkyina
Paoshan
Kunming
Hengyang
Kanchow
Changting
Foochow
Taipei
Amoy
Kweiyang
Swatow
Tainan
TAIWAN
STRAIT OF FORMOSA
Canton
Si-Kiang
Hong Kong (Br.)
NAN LING
TROPIC OF CANCER
PACIFIC OCEAN
RYŪKYŪ RETTŌ
100°
120°
140°
160°
180°
80°
60°
40°
20°
0 100 200 300 400 500 Miles

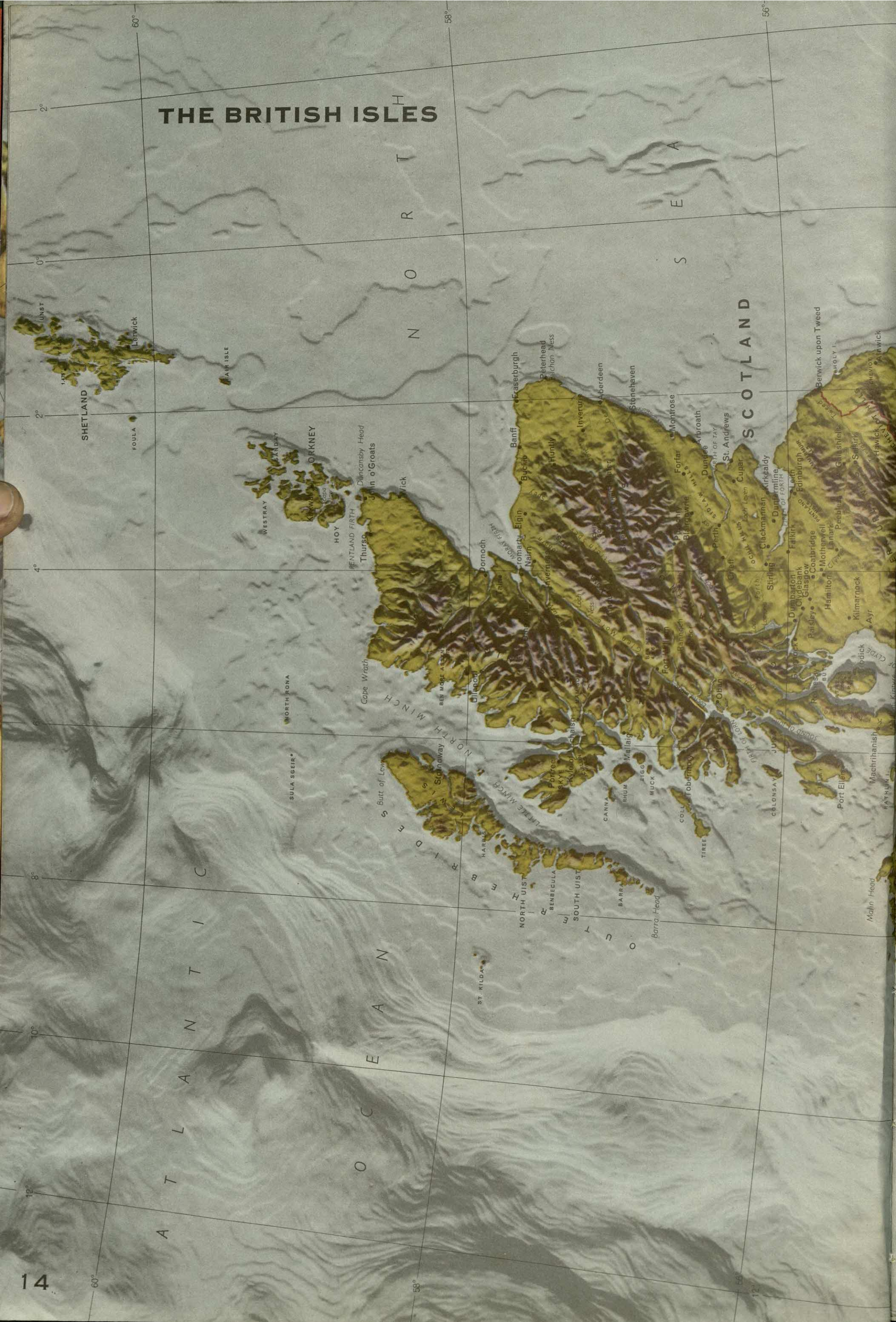
EUROPE

ATLANTIC OCEAN
NORWEGIAN SEA
NORTH SEA
IRISH SEA
ENGLISH CHANNEL
BAY OF BISCAY
MEDITERRANEAN SEA
BALTIC SEA
GULF OF BOTHNIA
FÆRÖERNE (DAN.)
ROCKALL
SHETLAND
Lerwick
ORKNEY
Cape Wrath
ST. KILDA
HEBRIDES
THE MINCH
I. OF SKYE
Inverness
Aberdeen
Dundee
Edinburgh
Glasgow
Newcastle
Londonderry
DONEGAL BAY
Sligo
Belfast
GALWAY BAY
REPUBLIC OF IRELAND
Dublin
Limerick
Cork
Cape Clear
ST. GEORGE'S CHANNEL
Manchester
Liverpool
Leeds
Hull
Sheffield
Birmingham
Swansea
Cardiff
Bristol
Plymouth
London
Harwich
Amsterdam
s'Gravenhage
Rotterdam
Arnhem
Hannover
Bremen
Berlin
Braunschweig
Dortmund
Essen
Düsseldorf
Köln
Antwerpen
Calais
Lille
Bruxelles
Liège
Frankfurt
Karl Marx Stadt
Leipzig
Dresden
Wrocław
Poznań
Warszawa
Łódź
Lublin
Katowice
Kraków
Praha
Plzen
Ostrava
Brno
Nürnberg
Regensburg
Stuttgart
München
Linz
Wien
Bratislava
Budapest
Hannover
Braunschweig
Cherbourg
Le Havre
Amiens
Rouen
Brest
Reims
Paris
Rennes
Le Mans
Nantes
Tours
Orléans
La Rochelle
ILE D'OLERON
Dijon
Nancy
Strasbourg
Luxembourg
Metz
Basel
Bern
Zürich
Genève
Lyon
Grenoble
Nimes
Avignon
Marseille
Toulon
Nice
MONACO
Perpignan
Toulouse
Bayonne
Bilbao
Limoges
Clermont Ferrand
Bordeaux
Cape Finisterre
La Coruña
Porto
Valladolid
Madrid
Zaragoza
Barcelona
Lisboa
Valencia
Palma
MALLORCA
MENORCA
IBIZA
ISLAS BALEARES
Sevilla
Granada
Cadiz
Malaga
Cartagena
STRAIT OF GIBRALTAR
Gibraltar (Br.)
Tangier
Tetuan
Melilla
Alger
Oran
Bejaia
Skikda
Annaba
Bizerte
Tunis
Constantine
Mostaganem
Tlemcen
Fès
Meknès
Hauts Plateaux
Ain Sefra
Laghouat
Figuig
Colomb Béchar
Touggourt
Ouargla
El Golëa
Gadames
Gabès
ILE DE DJERBA
Sfax
Sousse
Kairouan
Chott Melrhir
Tripoli
Misurata
Sirte
Benghazi
Aghëila
GULF OF SIRTE
Valletta
MALTA
LAMPEDUSA
PANTELLERIA
Palermo
Messina
Catania
I. LIPARI
Cape Tainaron
Sassari
SARDEGNA
Cagliari
Napoli
Roma
Ajaccio
CORSE
Bastia
ELBA
Livorno
Firenze
Perugia
Ancona
SAN MARINO
Milano
Verona
Trieste
Venezia
Padova
Torino
Genova
Bologna
Zagreb
Rijeka
Sarajevo
Beograd
Dubrovnik
Titograd
Durrës
Tiranë
Bari
Taranto
KÉRKIRA
Szeged
Arad
Pécs
Balaton
Graz
Innsbruck
Salzburg
Debrecen
Miskolc
Oslo
Bergen
Stavanger
Trondheim
Molde
Namsos
Ostersund
Umea
Vaasa
Tampere
Pori
Turku
Gävle
Falun
Karlstad
Örebro
Uppsala
Stockholm
Hankö
Larvik
Kristiansand
Lindesnes
Skagen
Göteborg
Jönköping
Norrköping
Halmstad
Hälsingborg
Karlskrona
Malmö
Esbjerg
Aarhus
Aalborg
Odense
København
Schleswig
Kiel
Lübeck
Hamburg
Szczecin
Gdynia
Gdansk
Kaliningrad
Klaipeda
Bydgoszcz
Elbe
Oder
Wisła
Ijsselmeer
HELGOLAND
FRIESISCHE IN.
BORNHOLM
RÜGEN
ÖLAND
GOTLAND
O. KHIUMA
O. SAREMA
HVENANMAA
Tampere
Vänern
Vättern
Göta Kanal
Dovre Fjell
Sognefjord
Hardanger Fj.
Glomma
Dalälven
Lule älv
Torneälv
Kemijoki
Oulujärvi
Saimaa
Pyhäjärvi
Päijänne
Vuoksi
Suomenlahti
Gulf of Finland
Gulf of Riga
Gulf of Bothnia
Sea of Åland
Baltic Sea
Skagerrak
Kattegat
Sound
Great Belt
Little Belt
Fehmarn Belt
Kiel Canal
Rhein
Main
Donau
Inn
Po
Rhône
Loire
Seine
Garonne
Ebro
Tajo
Guadalquivir
Sorgue
Soca
Save
Vistula
Pripet Marshes
Dniepr
Moldau
Elbe
Oder
Wisła
Weser
Ems
Maas
Rhein
Mosel
Aare
Inn
Drau
Save
Soca
Po
Tiber
Arno

UNION OF SOVIET SOCIALIST REPUBLICS

Oulu
Onega
Severnaya Dvina
Sykhtyvkar
Berezniki
Nizhniy Tagil
Sverdlovsk
Kurgan
Petropavlovsk
Perm
Chelyabinsk
Ishim
Onezhskoye Ozero
Ladozhskoye Ozero
Kirov
Izhevsk
Tobol
Vyborg
Helsinki
Vologda
Leningrad
Ufa
Magnitogorsk
Rybinsk
Tallin
Kazan'
Kama
Chudskoye Ozero
Yaroslavl
Ivanovo
Volga
Gor'kiy
VALDAYSKAYA VOZVYSHENNOST'
Kalinin
Ul'yanovsk
Kuybyshev
Saransk
Orenburg
Ural
Riga
Moskva
Aktyubinsk
Dvina
Vitebsk
Smolensk
Tula
Penza
Ural'sk
Kaunas
Vil'nyus
Tambov
Minsk
Saratov
Engel's
Bryansk
Orel
Voronezh
Pripyat'
Gomel
Kursk
Urda
Brest
Marshes
Volgograd
Gur'yev
ARAL'SKOYE MORE
Kiyev
Kharkov
Poltava
Donbas
L'vov
Dnepropetrovsk
Stalino
Astrakhan
Krivoy Rog
Taganrog
Rostov
Zhdanov
Chernovtsy
Nikolayev
Kropotkin
Iasi
Kishinev
Odessa
Kherson
AZOVSKOYE MORE
Krasnodar
Georgiyevsk
Groznyy
Cluj
Novorossiysk
Galati
Crimea
Sevastopol'
Sukhumi
Tbilisi
Baku
Ploeşti
Bucureşti
Batumi
Ruse
Varna
Sinop
Samsun
Trabzon
Yerevan
Soliya
Ploydiv
Edirne
Istanbul
Üsküdar
Şalranbolu
Erzurum
Tabrīz
Rasht
Bābol
Bursa
Ankara
Sivas
Kayseri
Malatya
Afyon
Tuz Gölu
Konya
Mosul
Hamadān
Kirkūk
Arāk
İzmir
Adana
Alep
Iskenderun
Antakya
Latakia
Baghdād
Dezfūl
Shūshtar
Nicosia
Famagusta
Homs
Tripoli
Karbala
Āvāz
Iráklion
CYPRUS
LEBANON
Beirut
Damascus
Bandar-e-Shāhpūr
Euphrates
Basra
Ābādān
Haifa
Tel Aviv
Amman
Jerusalem
Dead Sea
Gaza
Tobruk
Rosetta
Damietta
Port Said
Alexandria
Petra
Ai Jawf
Būshehr
Kuwait
KUWAIT
NEUTRAL
Suez Canal
Cairo
Suez
'Aqaba
Qatif
El Giza
Sinai Pen.
Hā'il
Buraida
Nile
Libyan Plateau
Qazvīn
Zanjān
Plato Ustyurt
Caspian Sea
Black Sea
Mediterranean Sea
Persian Gulf
Gulf of Kara Bogaz
Ukraine
Moldavia
Bulgaria
Turkey
Syria
Iraq
Jordan
Israel
Egypt
Arabia
Iran
Lebanon
Cyprus
Kuwait

THE BRITISH ISLES


NORTH SEA
ATLANTIC OCEAN
SCOTLAND
SHETLAND
UNST
Lerwick
FAIR ISLE
FOULA
ORKNEY
WESTRAY
PAPA WESTRAY
HOY
Kirkwall
Scapa Flow
Stromness
Duncansby Head
John o'Groats
Thurso
Wick
Cape Wrath
NORTH RONA
SULA SGEIR
Dornoch
Tain
Golspie
Brora
Helmsdale
Wick
Banff
Fraserburgh
Peterhead
Buchan Ness
Inverurie
Aberdeen
Stonehaven
Montrose
Arbroath
Dundee
Fortar
Cupar
St. Andrews
Perth
Forfar
Kirkcaldy
Dunfermline
Clackmannan
Stirling
Falkirk
Edinburgh
Leith
Berwick upon Tweed
Galashiels
Selkirk
Hawick
Alnwick
Coldstream
Kelso
Jedburgh
Peebles
Lanark
Motherwell
Hamilton
Coatbridge
Glasgow
Dumbarton
Clydebank
Paisley
Greenock
Kilmarnock
Ayr
Girvan
Stranraer
Portree
SKYE
Kyle of Lochalsh
Mallaig
CANNA
RHUM
EIGG
MUCK
COLL
Tobermory
TIREE
JURA
COLONSAY
Port Ellen
Machrihanish
Mull of Kintyre
Butt of Lewis
Stornoway
LEWIS
HARRIS
NORTH UIST
BENBECULA
SOUTH UIST
BARRA
Barra Head
ST KILDA
Loch Ness
Loch Lomond
Loch Tay
Loch Leven
Loch Awe
Loch Fyne
Loch Linnhe
Loch Shiel
Loch Morar
Loch Hourn
Loch Alsh
Loch Broom
Loch Maree
Loch Torridon
Loch Ewe
Loch Carron
Loch Long
Loch Lomond
Loch Katrine
Loch Voil
Loch Earn
Loch Lubnaig
Loch Rannoch
Loch Tummel
Loch Garry
Loch Quoich
Loch Arkaig
Loch Lochy
Loch Oich
Loch Ericht
Loch Laggan
Loch Treig
Loch Leven
Loch Fleet
Loch Eye
Loch Shin
Loch Assynt
Loch Inver
Loch Eriboll
Loch Hope
Loch Naver
Loch Shiel
Loch Eil
Loch Sunart
Loch Moidart
Loch Nevis
Loch Hourn
Loch Duich
Loch Alsh
Loch Carron
Loch Kishorn
Loch Gairloch
Loch Ewe
Loch Maree
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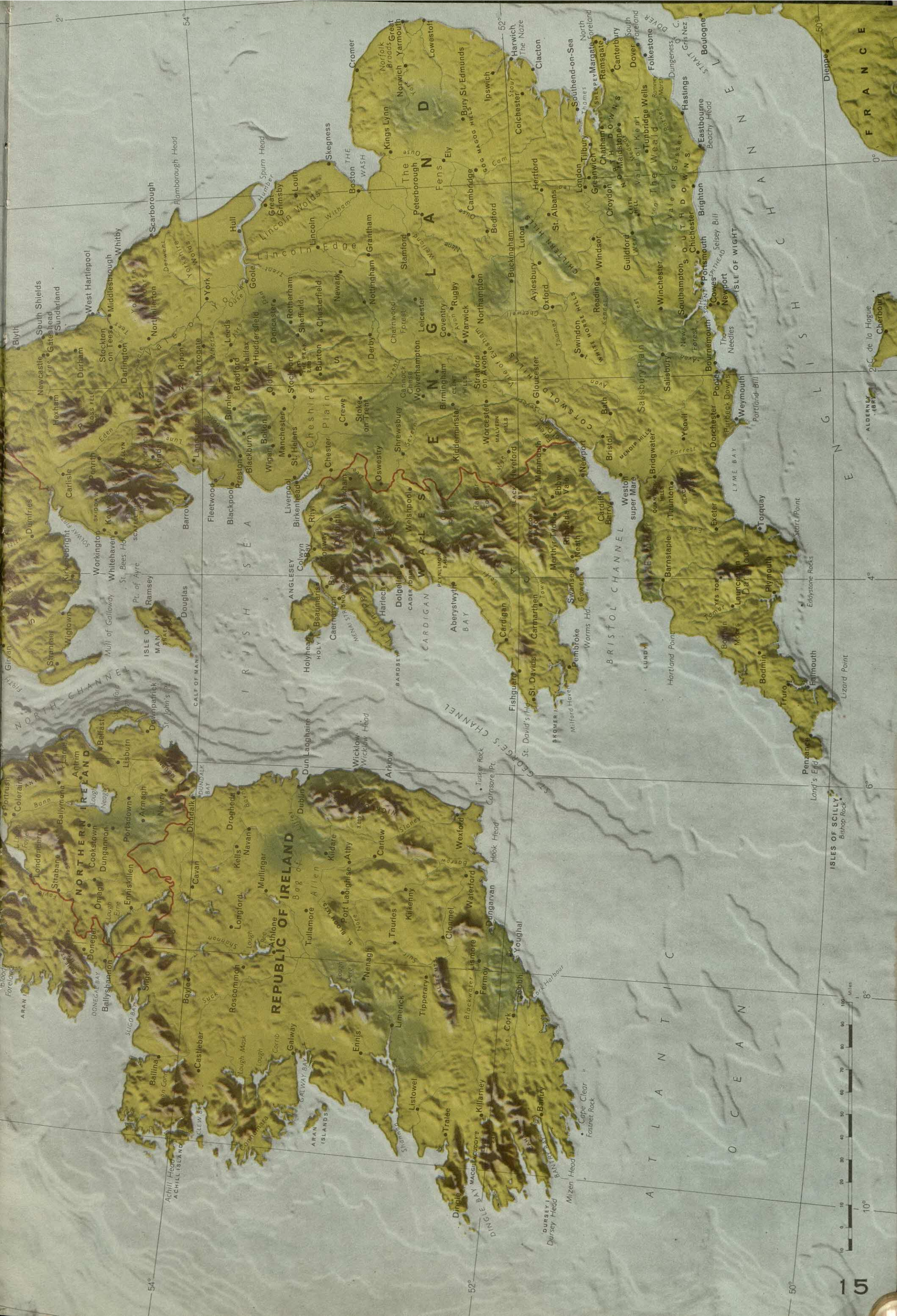
Loch Inver
Loch Assynt
Loch Eriboll
Loch Hope
Loch Naver
Loch Shin
Loch Fleet
Loch Eye


IRISH SEA
NORTH SEA
ENGLISH CHANNEL
BRISTOL CHANNEL
ATLANTIC OCEAN
NORTHERN IRELAND
REPUBLIC OF IRELAND
ENGLAND
WALES
FRANCE
Lincoln Edge
Lincoln Wolds
Yorkshire Wolds
North York Moors
Pennines
Cheshire Plain
The Fens
Chiltern Hills
North Downs
South Downs
Cotswold Hills
Salisbury Plain
The Weald
Vale of Sussex
Vale of Kent
Isle of Wight
Isles of Scilly
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Isle of Man
Aran Islands
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Lizard Point
Hartland Point
Land's End
Eddystone Rocks
Needles
Foreland
Mizen Head
Cape Clear
Fastnet Rock
Bishop Rock
Tusker Rock
Carnsore Pt.
Hook Head
Dursey Head
Milford Haven
Worms Hd.
Skomer I.
Dursey I.
Aldernay (Br.)
Cherbourg
Dieppe
Boulogne
Gris Nez
C. de la Hague
Blyth
South Shields
Sunderland
West Hartlepool
Whitby
Scarborough
Flamborough Head
Spurn Head
Cromer
Norfolk Broads
Great Yarmouth
Lowestoft
Harwich
The Naze
Clacton
Southend-on-Sea
Margate
Ramsgate
Canterbury
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Folkestone
Hastings
Eastbourne
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Portsmouth
Southampton
Bournemouth
Weymouth
Poole
Dorchester
Yeovil
Exeter
Torquay
Plymouth
Launceston
Truro
Falmouth
Penzance
Barnstaple
Taunton
Weston super Mare
Bridgwater
Bristol
Cardiff
Barry
Newport
Swansea
Neath
Merthyr Tydfil
Ebbw Vale
Pembroke
Fishguard
St. David's Head
Cardigan
Aberystwyth
Aberdovey
Harlech
Barmouth
Porthmadog
Caernarvon
Bangor
Conway
Colwyn Bay
Rhyl
Holyhead
Beaumaris
Llandudno
Dolgella
Barrow
Fleetwood
Blackpool
Preston
Blackburn
Wigan
Bolton
Liverpool
Birkenhead
Manchester
St. Helens
Stockport
Oldham
Burnley
Bradford
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Huddersfield
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Doncaster
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Chesterfield
Buxton
Crewe
Chester
Oswestry
Stoke on Trent
Shrewsbury
Wolverhampton
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Grimsby
Great Grimsby
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Harrogate
Ripon
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Stockton on Tees
Middlesbrough
Whitby
Scarborough
Northallerton
Kendal
Penrith
Carlisle
Workington
Whitehaven
Kirkcudbright
Dumfries
Stranraer
Wigtown
Girvan
Ramsey
Douglas
Ballycastle
Belfast
Portrush
Coleraine
Londonderry
Strabane
Omagh
Cookstown
Dungannon
Lisburn
Downpatrick
Portadown
Armagh
Newry
Antrim
Ballymena
Enniskillen
Donegal
Ballyshannon
Sligo
Boyle
Castlebar
Ballina
Roscommon
Longford
Athlone
Mullingar
Cavan
Kells
Navan
Drogheda
Dundalk
Dublin
Dun Laoghaire
Wicklow
Arklow
Wexford
Carlow
Kilkenny
Waterford
Clonmel
Tipperary
Thurles
Port Laoighise
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Killarney
Tralee
Listowel
Dingle
Fermoy
Lismore
Kidderminster
Stratford on Avon
Worcester
Hereford
Monmouth
Gloucester
Swindon
Oxford
Aylesbury
Buckingham
Bedford
Cambridge
Ely
Kings Lynn
Norwich
Bury St. Edmunds
Ipswich
Colchester
Harlow
Hertford
St. Albans
Luton
London
Greenwich
Chatham
Maidstone
Croydon
Guildford
Reading
Windsor
Basingstoke
Winchester
Salisbury
Andover
Newbury
Swindon
Bath
Weston super Mare
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Dorchester
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Ramsgate
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Southend-on-Sea
Clacton
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Bury St. Edmunds
Norwich
Great Yarmouth
Lowestoft
Cromer
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Medway
Stour
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Itchen
Solent
Forth
Clyde
Tay
Tweed
Eden
Derwent
Tees
Wear
Tyne
Forth
Nith
Mull of Galloway
Pt. of Ayre
St. Bees Hd.
Lune
Ribble
Mersey
Dee
Wye
Usk
Taff
Towy
Teifi
Severn
Avon
Nene
Great Ouse
Welland
Witham
Humber
Trent
Derwent
Yorkshire Wolds
Lincoln Wolds
Lincoln Edge
Chiltern Hills
North Downs
South Downs
Cotswold Hills
Salisbury Plain
The Weald
Vale of Sussex
Vale of Kent
Isle of Wight
Isles of Scilly
Anglesey
Isle of Man
Aran Islands
Achill Island
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Ballycastle
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Portrush
Coleraine
Londonderry
Strabane
Omagh
Cookstown
Dungannon
Lisburn
Downpatrick
Portadown
Armagh
Newry
Antrim
Ballymena
Enniskillen
Donegal
Ballyshannon
Sligo
Boyle
Castlebar
Ballina
Roscommon
Longford
Athlone
Mullingar
Cavan
Kells
Navan
Drogheda
Dundalk
Dublin
Dun Laoghaire
Wicklow
Arklow
Wexford
Carlow
Kilkenny
Waterford
Clonmel
Tipperary
Thurles
Port Laoighise
Kildare
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Tullamore
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Galway
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Killarney
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Fastnet Rock
Bishop Rock
Tusker Rock
Carnsore Pt.
Hook Head
Dursey Head
Milford Haven
Worms Hd.
Skomer I.
Dursey I.
Aldernay (Br.)
Cherbourg
Dieppe
Boulogne
Gris Nez
C. de la Hague
2°
0°
2°
4°
6°
8°
10°
50°
52°
54°
Miles
0
10
20
30
40
50
60
70
80
90
100

CANADA

ARCTIC OCEAN

BEAUFORT SEA

CHUKCHI SEA

PACIFIC OCEAN

O. VRANGELYA

Cape Lisburne

Point Barrow

BERING STRAIT

Mys Dezhnevo

KOTZEBUE SOUND

Nome

Seward Pen.

NORTON SOUND

ST. LAWRENCE I. (U.S.A.)

BROOKS RANGE

Yukon

Tanana

Fort Yukon

Holy Cross

Fairbanks

Circle

Eagle

Aklavik

Cape Bathurst

AMUNDSEN GULF

VICTORIA ISLAND

BANKS ISLAND

VISCOUNT MELVILLE SOUND

PRINCE OF WALES ISLAND

PRINCE PATRICK ISLAND

QUEEN ELIZABETH ISLANDS

PARRY ISLANDS

MELVILLE ISLAND

BATHURST ISLAND

ALASKA RANGE

Dawson

Fort Good Hope

Norman Wells

Great Bear Lake

Port Radium

CORONATION GULF

Coppermine

Bathurst Inlet

BRISTOL BAY

Lake Iliamna

Anchorage

COOK INLET

Kenai Penin.

Seward

Cordova

Fort Selkirk

SELWYN RANGE

MACKENZIE

AFOGNAK I.

Kodiak

KODIAK I.

GULF OF ALASKA

WRANGELL MTS.

Whitehorse

Fort Simpson

Yellowknife

Fort Providence

Great Slave Lake

Hay River

Skagway

Juneau

ALEXANDER ARCHIPELAGO

Sitka

COAST MTS.

Fort Smith

Slave

Uranium City

Lake Athabasca

CARIBOU MTS.

Peace

Fort Chipewyan

Athabasca

Reindeer Lake

DIXON ENTRANCE

Prince Rupert

QUEEN CHARLOTTE ISLANDS

HECATE STR.

QUEEN CHARLOTTE SOUND

Cape Scott

Kitimat

Prince George

Fraser

Peace River

Fort McMurray

Lesser Slave Lake

Grande Prairie

Beaupré

Fort Nelson

Edmonton

Prince Albert

The Pas

North Saskatchewan

Athabasca Pass

N. Battleford

Hanna

Saskatoon

South Saskatchewan

Lake Winnipegosis

Banff

Calgary

Yorkton

Assiniboine

Medicine Hat

Swift Current

Regina

Moose Jaw

Lethbridge

Weyburn

Brandon

Coteau

VANCOUVER ISLAND

JUAN DE FUCA STRAIT

Cape Flattery

Vancouver

Victoria

Nelson

Trail

MT. OLYMPUS 7,955

PUGET SOUND

Seattle

Tacoma

Olympia

Grand Coulee Dam

Spokane

Columbia

Portland

Columbia

Great Falls

Fort Peck Reservoir

Missouri

Minot

Garrison Reservoir

Salem

Helena

Butte

BLUE MTS.

Plateau

BITTERROOT MTS.

BIGBELT MTS.

Billings

Yellowstone

Missouri

Cabo Blanca

COAST RANGE

CASCADE

Sage Plains

SALMON RIVER MTS.

Boise

Lead

BLACK HILLS

Rapid City

BIG HORN MTS.

Klamath Falls

MT. SHASTA 14,162

Snake

Twin Falls

Cape Mendocino

Eureka

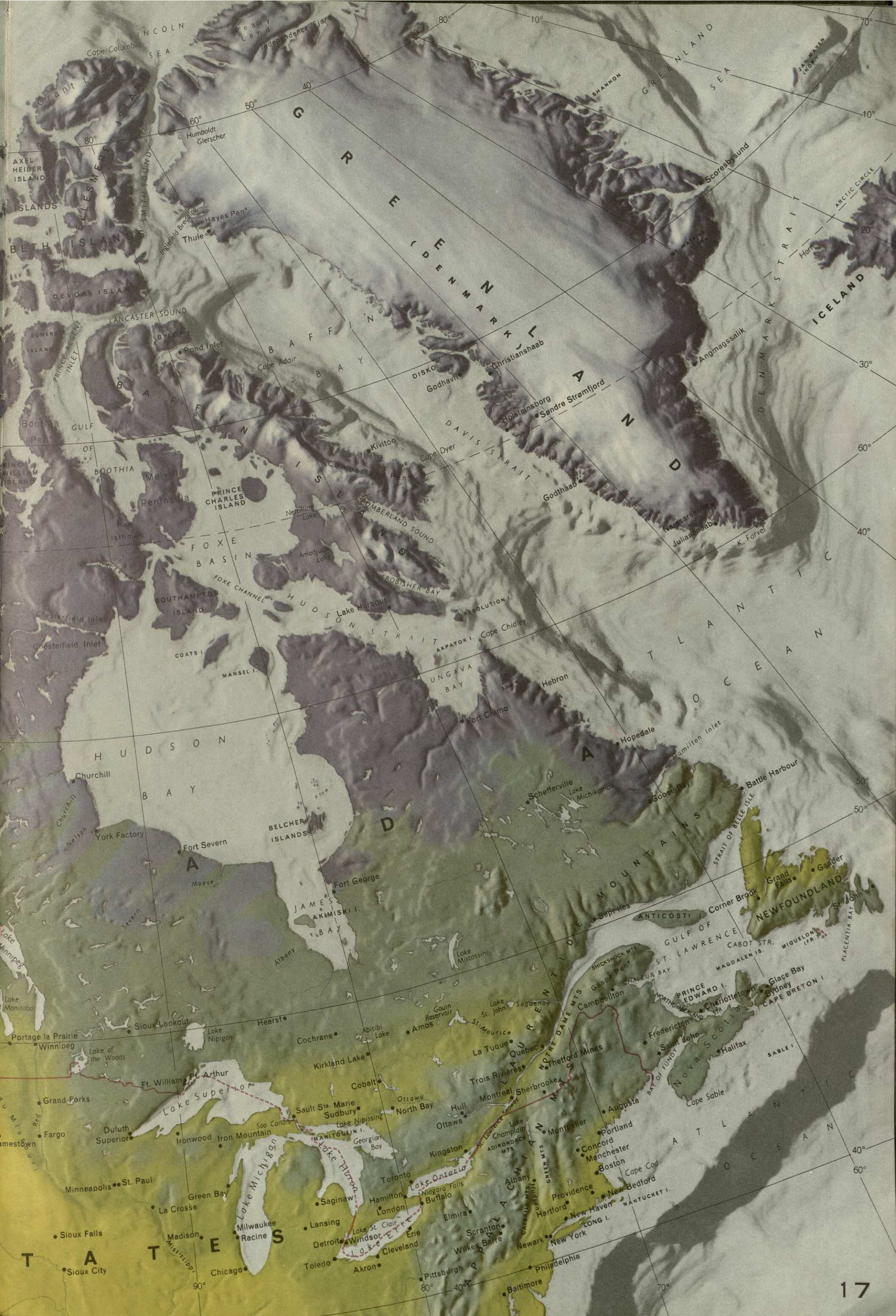
Great Salt Lake

North Platte

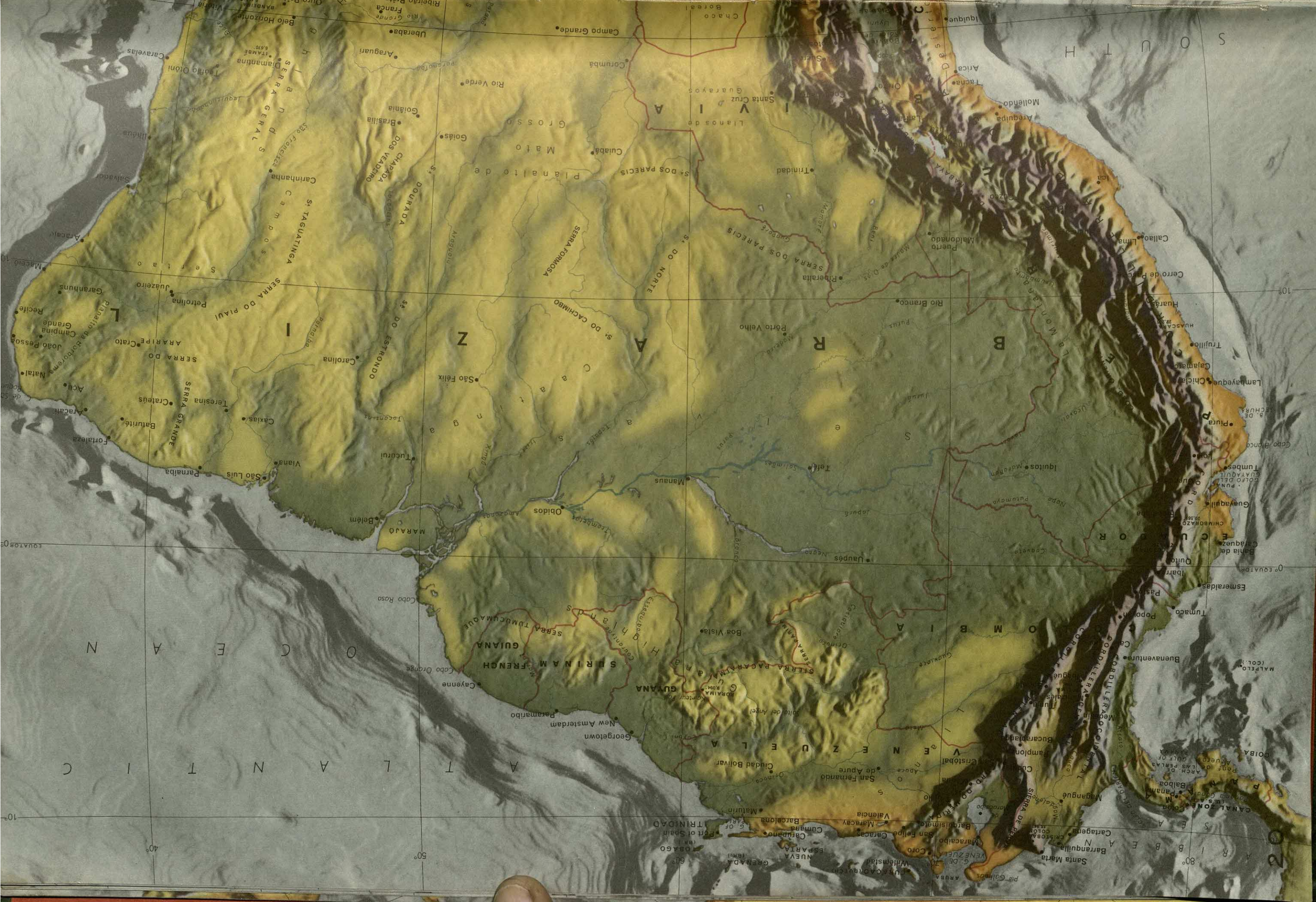
UNITED STATES

100 0 100 200 300 400 500 Miles

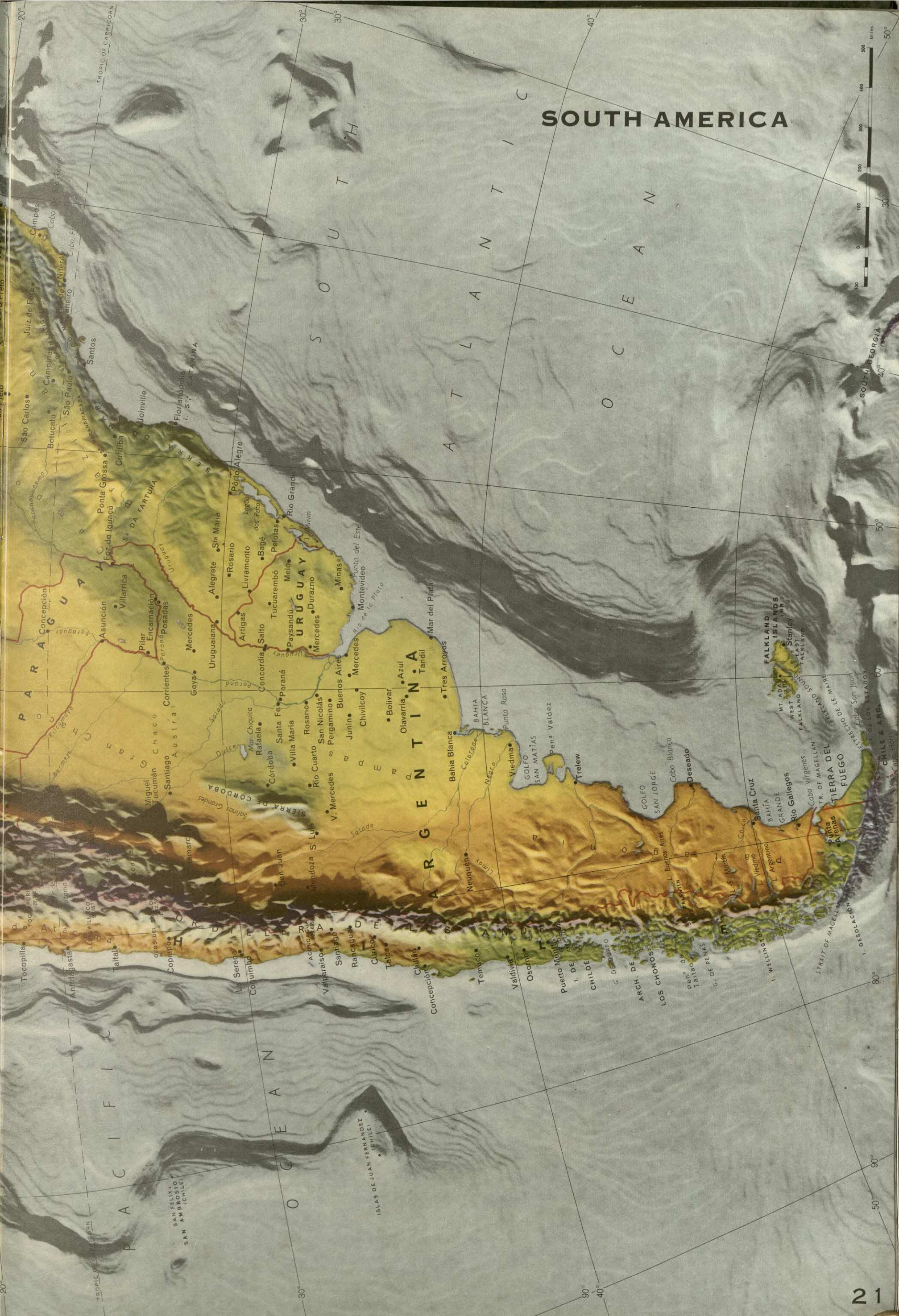
16


LINCOLN SEA
Cape Columbia
Grant Land
Peary Land
Independence Fjord
GREENLAND SEA
JAN MAYEN (NORW.)
SHANNON
AXEL HEIBERG ISLAND
ELLESMERE ISLAND
SMITH SOUND
Humboldt Gletscher
GREENLAND
Scoresbysund
ARCTIC CIRCLE
DENMARK STRAIT
ICELAND
Hornafjörður
Hayes Pen.
Thule
Inglefield Bredning
BEECHEY ISLAND
DEVON ISLAND
LANCASTER SOUND
SOMERSET ISLAND
PRINCE REGENT INLET
BYLOT I.
Pond Inlet
BAFFIN BAY
Cape Adair
DISKO
Godhavn
Christianshaab
Angmagssalik
Holsteinsborg
Sondre Strømfjord
DAVIS STRAIT
Boothia Pen.
GULF OF BOOTHIA
KING WILLIAM ISLAND
Melville Peninsula
Kivitoo
Cape Dyer
BAFFIN ISLAND
PRINCE CHARLES ISLAND
CUMBERLAND SOUND
Nettilling Lake
Godthaab
Narssarssuaq
Julianehaab
K. Farvel
Rae Isthmus
FOXE BASIN
Amadjuak Lake
FROBISHER BAY
SOUTHAMPTON ISLAND
FOXE CHANNEL
HUDSON STRAIT
Lake Harbour
RESOLUTION I.
Chesterfield Inlet
COATS I.
MANSEL I.
AKPATOK I.
Cape Chidley
UNGAVA BAY
Hebron
Fort Chimo
HUDSON BAY
Churchill
Hopedale
Hamilton Inlet
Schefferville
Lake Michikamau
Goose Bay
Battle Harbour
LABRADOR
Churchill
Nelson
York Factory
Fort Severn
BELCHER ISLANDS
Moose
Severn
Albany
Fort George
JAMES
AKIMISKI I.
BAY
Lake Mistassini
LABRADOR MOUNTAINS
STRAIT OF BELLE ISLE
Gander
Grand Falls
NEWFOUNDLAND
St. John's
Corner Brook
Sept-Iles
ANTICOSTI I.
GULF OF ST. LAWRENCE
CABOT STR.
MIQUELON (FR.)
MAGDALEN IS.
PLACENTIA BAY
SHICKSHOCK MTS.
Gaspé Pen.
CHALEUR BAY
Campbellton
PRINCE EDWARD I.
NORTHUMBERLAND STR.
Charlottetown
Glace Bay
Sydney
CAPE BRETON I.
Lake Winnipeg
Lake Manitoba
Portage la Prairie
Winnipeg
Lake of the Woods
Sioux Lookout
Lake Nipigon
Hearst
Cochrane
Abitibi Lake
Gouin Reservoir
Amos
Lake St. John
Saguenay
St. Maurice
La Tuque
Quebec
Kirkland Lake
Trois Rivières
Thetford Mines
Fredericton
Saint John
Halifax
SABLE I.
Nova Scotia
BAY OF FUNDY
Ft. William
Pt. Arthur
Cobalt
Sherbrooke
Cape Sable
Grand Forks
Lake Superior
Sault Ste. Marie
Sudbury
Ottawa
North Bay
Hull
Montreal
Augusta
Red
Fargo
Duluth
Superior
Soo Canals
Lake Nipissing
Ottawa
St. Lawrence Seaway
Ironwood
Iron Mountain
MANITOULIN I.
Georgian Bay
Lake Champlain
ADIRONDACK MTS.
Montpelier
Portland
Concord
Manchester
Boston
Cape Cod
Minneapolis
St. Paul
Lake Michigan
Lake Huron
Kingston
Toronto
Lake Ontario
Niagara Falls
Buffalo
Albany
GREEN MTS.
Hudson
Providence
New Bedford
NANTUCKET I.
Green Bay
Saginaw
Hamilton
London
Elmira
Hartford
New Haven
La Crosse
Lansing
Milwaukee
Racine
Lake St. Clair
Lake Erie
Detroit
Windsor
Erie
Scranton
Wilkes-Barre
Newark
New York
LONG I.
Madison
Sioux Falls
Cleveland
Toledo
Akron
Chicago
Pittsburgh
Philadelphia
Baltimore
Sioux City
Mississippi
APPALACHIAN MTS.
ATLANTIC OCEAN
90°
80°
70°
60°
50°
40°
30°
20°
10°

UNITED STATES OF AMERICA AND MEXICO

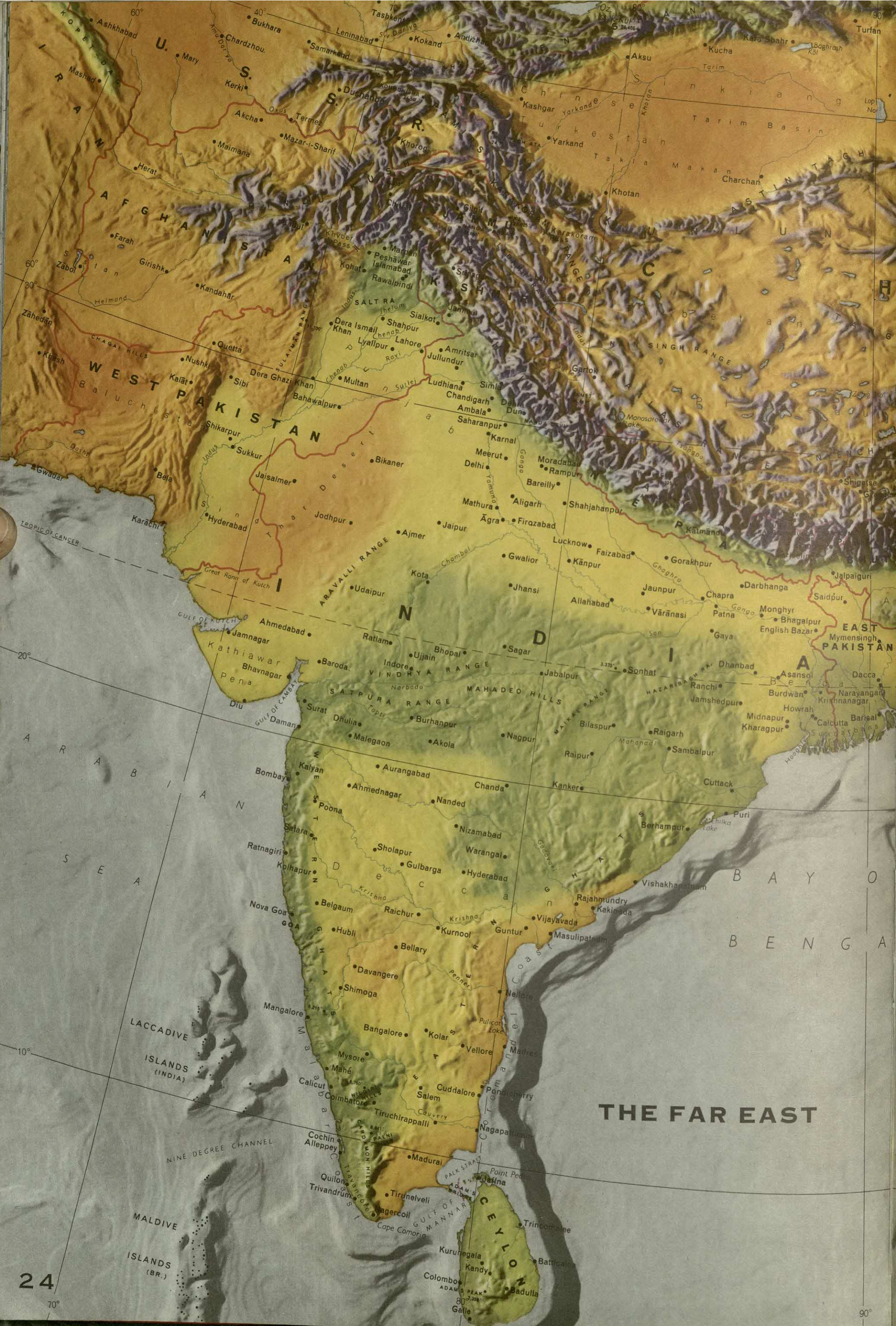

SOUTH
AMERICA
ATLANTIC OCEAN
PACIFIC OCEAN
BRAZIL
BOLIVIA
PARAGUAY
CHILE
PERU
ECUADOR
COLOMBIA
VENEZUELA
GUYANA
SURINAM
FRENCH GUIANA
Brasília
Goiânia
Cuiabá
Campo Grande
Corumbá
Santa Cruz
Trinidad
Asunción
Concepción
Arica
Iquique
Antofagasta
Tacna
Mollendo
Arequipa
Lima
Callao
Cerro de Pasco
Huaraz
Trujillo
Chiclayo
Lambayeque
Piura
Tumbes
Guayaquil
Quito
Esmeraldas
Buenaventura
Cali
Popayán
Tumaco
Pasto
Ipiales
Bucaramanga
Cúcuta
Maracaibo
Barquisimeto
Valencia
Caracas
Barcelona
Cumaná
Carúpano
Port of Spain
Trinidad
Tobago
Grenada
Nueva Esparta
Aruba
Curaçao
Willemstad
Coro
Barranquilla
Cartagena
Santa Marta
Riohacha
Maracaibo
Ciudad Bolívar
San Cristóbal
San Fernando de Apure
Maturín
Puerto Ayacucho
Manaus
Tefé
Iquitos
Leticia
Tabatinga
Benjamin Constant
Oiapoque
Macapá
Belém
Marabá
Tucuruí
Barcelos
Oiapoque
Cayenne
Paramaribo
New Amsterdam
Georgetown
Boa Vista
Oriximiná
Óbidos
Santarém
Altamira
Uaupés
Maués
Parintins
Manacapuru
Tefé
Coari
Tapauá
Lábrea
Boca do Acre
Rio Branco
Cobija
Puerto Maldonado
Riberalta
Guajará-Mirim
Porto Velho
Ji-Paraná
Vilhena
Cacoal
Pimenta Bueno
Ariquemes
Jaru
Ouro Preto do Oeste
Rolim de Moura
Presidente Médici
Cacoal
Colorado do Oeste
Pimenta Bueno
Vilhena
Cerejeiras
Chapada dos Guimarães
Cuiabá
Rondonópolis
Primavera do Leste
Barra do Garças
Aragarças
Goiás
Anápolis
Goiânia
Brasília
Formosa
Luziânia
Unaí
Paracatu
Pirapora
Januária
Montes Claros
Diamantina
Itamarandiba
Teófilo Otoni
Caravelas
Belo Horizonte
Ribeirão Preto
Franca
Uberaba
Araguari
Rio Verde
Jataí
Caiapônia
Mineiros
Aragarças
Barra do Garças
Alto Araguaia
Rondonópolis
Primavera do Leste
Sinop
Alta Floresta
Juína
Aripuanã
Cáceres
Poconé
Barão de Melgaço
Corumbá
Ladário
Porto Murtinho
Bela Vista
Pedro Juan Caballero
Concepción
Vallemí
Fuerte Olimpo
Puerto Pinasco
Pilar
Ñeembucú
Villa Hayes
Asunción
Encarnación
Ciudad del Este
Salto del Guairá
Villarrica
Coronel Oviedo
Caazapá
Pilcomayo
Formosa
Clorinda
Resistencia
Corrientes
Goya
Curuzú Cuatiá
Paso de los Libres
Santo Tomé
Posadas
Eldorado
Puerto Iguazú
Oberá
Apóstoles
Concordia
Gualeguaychú
Paraná
Santa Fe
Rosario
Villa Constitución
San Nicolás
Junín
Pergamino
Rafaela
Reconquista
Santiago del Estero
Termas de Río Hondo
Tucumán
Monteros
Concepción
Aguilares
Famaillá
Simoca
Río Seco
Catamarca
Andalgalá
Belén
Tinogasta
Fiambalá
Chilecito
La Rioja
Chamical
Chepes
Villa Unión
Aimogasta
Recreo

SOUTH AMERICA



FLORES SEA
WETAR
ALOR
BABAR
TANIMBAR IS.
FREDERIK HENDRIK I.
NEW GUI
Digoel
Merauke
Fly
Daru
BALI
LOMBOK
FLORES
SUMBAWA
Sumbawa
Ende
TIMOR
(PORT) Atapupu
Waingapu
SAVU SEA
SUMBA
Kupang
ARAFURA SEA
BANKS I.
TORRES STRAIT
THURSDAY I.
Somerset
Cape York
Cape Van Diemen
MELVILLE I.
BATHURST I.
VAN DIEMEN GULF
Gove Pen.
TIMOR SEA
Darwin
Cape Arnhem
Cape York Pen.a
INDIAN OCEAN
Cape Londonderry
Pago Mission
JOSEPH BONAPARTE GULF
Arnhem Land
GULF OF CARPENTARIA
GROOTE EYLANDT
Katherine
Daly
Roper
Urapunga
SIR EDWARD PELLEW GROUP
Wyndham
KING SOUND
Victoria
Mitchell
WELLESLEY IS.
Derby
KING LEOPOLD RA.
MT. ORD 3,070'
Dampier Land
Broome
Fitzroy
Ord
Halls Creek
Wave Hill
Newcastle Waters
Normanton
GREGORY RANGE
Barkly Tableland
Eighty Mile Beach
Great Sandy Desert
Sturt Creek
Tennant Creek
Camooweal
Flinders
20°
MONTE BELLO IS.
DAMPIER ARCH.
Port Hedland
De Grey
BARROW IS.
Roebourne
Marble Bar
DAVENPORT RA.
SELWYN RANGE
Georgina
Cloncurry
Barrow Creek
EXMOUTH
North West Cape
Onslow
HAMERSLEY RANGE
MT. BRUCE 4,024'
Ashburton
TRUER RA.
Lake Mackay
MT. HEUGHLIN 4,618'
MT. ZIEL 4,965'
Hay
Diamantina
Alice Springs
MACDONNELL RANGES
TROPIC OF CAPRICORN
Lake Disappointment
Gibson Desert
Simpson Desert
Salt Lake
MT. AUGUSTUS 3,627'
Amadeus Lake
PETERMANN RANGES
Finke
SHARK BAY
Gascoyne
Carnarvon
AUSTRALIA
Peak Hill
TOMKINSON RA.
MT. ALOYSIUS 3,560'
MUSGRAVE RA.
MT. WOODROFFE 4,970'
DIRK HARTOGS ISLAND
Murchison
Meekatharra
Oodnadatta
Great Victoria Desert
Lake Eyre
STUART RA.
Marree
GREY RA.
Sturt Desert
Mt. Magnet
Mullewa
Laverton
Geraldton
Dongara
Nullarbor Plain
30°
Tarcoola
Lake Torrens
Lake Everard
Woomera
Lake Gairdner
Lake Frome
FLINDERS RANGE
GAWLER RANGES
Broken Hill
Kalgoorlie
Coolgardie
Eucla
Eyre
Norseman
Port Augusta
Peterborough
DARLING RANGE
Northam
Swan
Perth
Fremantle
Narrogin
GREAT AUSTRALIAN BIGHT
Eyre Pen.a
Port Pirie
SPENCER GULF
Wentworth
Murray
Mildura
Bunbury
Collie
Katanning
Esperance
Cape Pasley
Port Lincoln
Cape Catastrophe
Yorke Pen.a
ST. VINCENT GULF
MT. LOFTY RA.
Adelaide
Augusta
STIRLING RA.
Cape Leeuwin
D'Entrecasteaux Point
Albany
The Coorong
KANGAROO I.
Bendigo
Ballarat
Hamilton
Geelong
Warrnambool
Cape Otway
KING ISLAND
110°
40°
INDIAN OCEAN
AUSTRALASIA
100 0 100 200 300 400 500 Miles
110°
120°
130°
140°

150°
160°
170°
10°
20°
30°
40°
180°
TROPIC OF CAPRICORN
SOLOMON SEA
CORAL SEA
TASMAN SEA
GREAT BARRIER REEF
GREAT DIVIDING RANGE
AUSTRALIA
TASMANIA
NEW ZEALAND
NORTH ISLAND
SOUTH ISLAND
NEW CALEDONIA (FR.)
LOYALTY ISLANDS
NEW HEBRIDES (BR. & FR.)
SOLOMON ISLANDS (BR.)
SANTA CRUZ ISLANDS (BR.)
NORFOLK I.
LORD HOWE I.
Salamaua
Kerema
Buna
Tufi
Port Moresby
Abau
Samarai
LOUISIADE ARCH.
CHOISEUL I.
SANTA ISABEL I.
GUADALCANAL
SAN CRISTOBAL I.
RENNELL
ESPIRITU SANTO
MALEKULA
EFATE
Noumea
Cape Melville
Cooktown
Cairns
Atherton
Townsville
Burdekin
Bowen
Charters Towers
Mackay
Fitzroy
Rockhampton
Gladstone
Longreach
Emerald
Bundaberg
Maryborough
Barcoo
Dawson
Charleville
Roma
Warrego
Dalby
Toowoomba
Brisbane
Ipswich
Culgoa
Barwon
Darling
Glen Innes
Grafton
Lismore
Bourke
Armidale
Tamworth
Nyngan
Cobar
Dubbo
Liverpool Range
Mudgee
Parkes
Lachlan
Bathurst
Lithgow
Cessnock
Newcastle
Maitland
Junee
Wagga Wagga
Goulburn
Canberra
Murrumbidgee
Murray
Hume Reservoir
Melbourne
Sale
Wonthaggi
Wilson's Promontory
BASS STRAIT
FLINDERS ISLAND
Launceston
Queenstown
Hobart
South West Cape
Cape Farewell
Cape Foulwind
Greymouth
Hokitika
Blenheim
Wellington
Palmerston N.
Wanganui
Napier
Gisborne
New Plymouth
Lake Taupo
Hamilton
Auckland
Dargaville
Russell
Cape Maria Van Diemen
THREE KINGS IS.
BAY OF PLENTY
East Cape
Christchurch
Timaru
Oamaru
Dunedin
Invercargill
Milford Sound
Cape Providence
FOVEAUX STRAIT
STEWART ISLAND
MT. DALRYMPLE 4,190'
MT. BOGONG 6,508'
MT. KOSCIUSKO 7,328'
MT. EGMONT 8,260'
MT. COOK 12,349'
BEN LOMOND 4,985'
KOMIO MT. 3,360'
CRADLE MT. 5,069'
MT. ALBERT EDWARD 13,300'
GULF OF PAPUA
AUSTRALIAN ALPS
SOUTHERN ALPS
NEW ENGLAND RANGE
KAIKOURA RANGE
TARANAKI MT.
PORT PHILLIP BAY
MORETON BAY
HAURAKI GULF
CANTERBURY PLAINS
WAIRARAPA
KAIMANAWA MTS.
TARANAKI
23

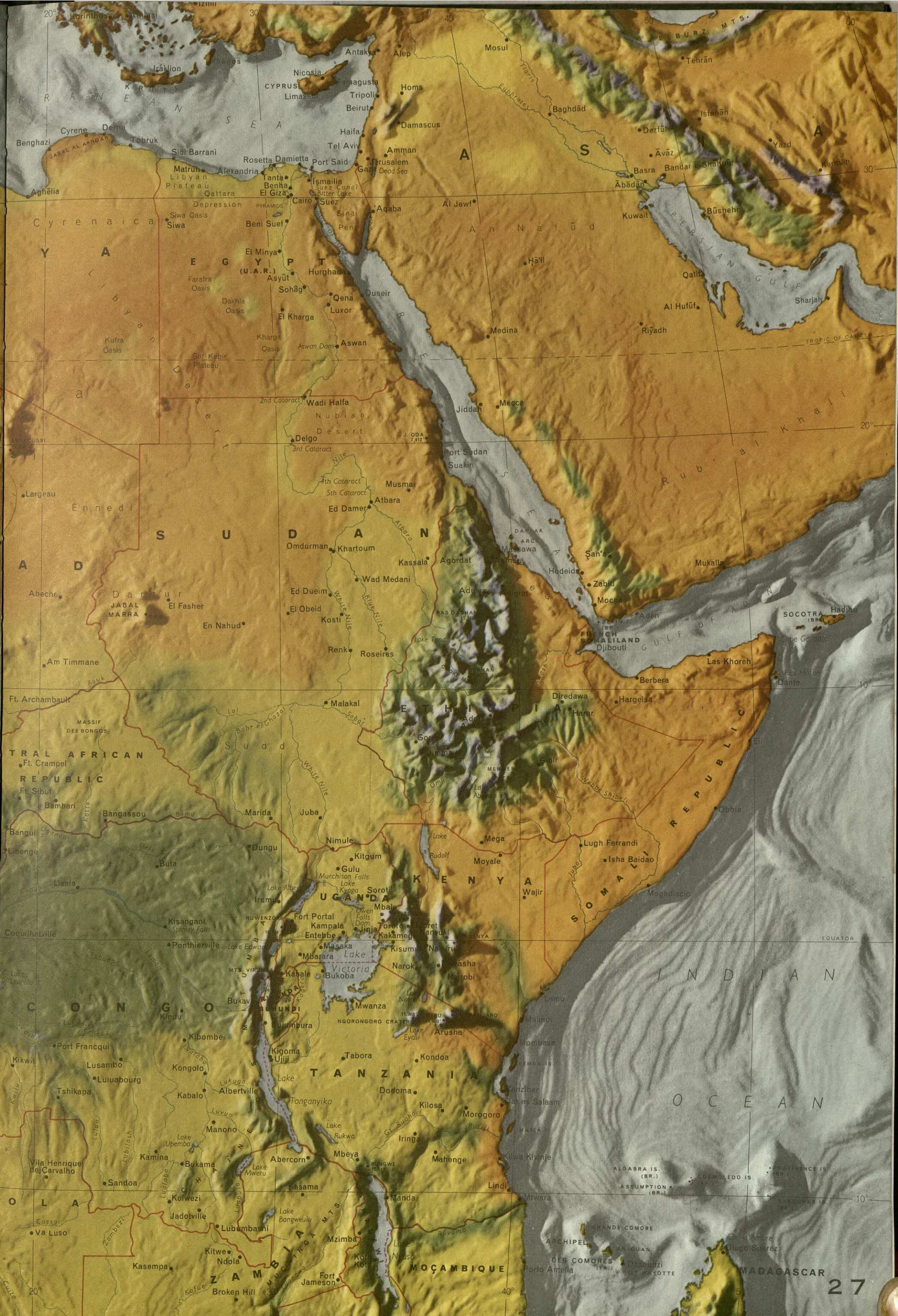

THE FAR EAST
INDIA
PAKISTAN
AFGHANISTAN
IRAN
U.S.S.R.
CHINA
Chinese Turkestan
Sinkiang
Tarim Basin
Takla Makan
Tibet
HIMALAYAS
KARAKORAM RANGE
KUNLUN MTS.
ALTYN TAGH
KASHMIR
Jammu
Srinagar
Gilgit
Khotan
Charchan
Kashgar
Yarkand
Aksu
Kucha
Kara Shahr
Turfan
Baghrash Köl
Lop Nor
Tashkent
Bukhara
Samarkand
Leninabad
Kokand
Andizhan
Chardzhou
Mary
Ashkhabad
Mashad
Kerki
Dushanbe
Termez
Akcha
Mazar-i-Sharif
Maimana
Herat
Farah
Girishk
Zābol
Kandahār
Helmand
Sistan
Kabul
Khyber Pass
Peshāwar
Islāmabad
Rawalpindi
Kohat
Marqam
Zāhedān
Khash
Nushki
Quetta
Kalāt
Sibi
Dera Ghazi Khan
Multan
Bahawalpur
Sialkot
Jammu
Dera Ismail Khan
Lyallpur
Lahore
Amritsar
Jullundur
Ludhiana
Simla
Chandigarh
Ambala
Saharanpur
Karnal
Meerut
Delhi
Bikaner
Jaisalmer
Moradabad
Rampur
Bareilly
Aligarh
Mathura
Āgra
Firozabad
Shahjahanpur
Kātmandu
Lucknow
Faizabad
Gorakhpur
Kānpur
Gwalior
Kota
Jhansi
Jaipur
Ajmer
Udaipur
Jodhpur
Hyderabad
Karāchi
Gwadar
Bela
Shikarpur
Sukkur
Dasht
Sind Desert
Great Rann of Kutch
Gulf of Kutch
Kathiawar Pen.
Ahmedabad
Jamnagar
Bhavnagar
Diu
Ratlam
Ujjain
Indore
Bhopal
Sagar
Baroda
Jabalpur
Sonhat
Allahabad
Vārānasi
Jaunpur
Chapra
Patna
Gaya
Monghyr
Bhagalpur
English Bazar
Saidpur
Jalpaiguri
Darbhanga
Dhanbad
Asansol
Ranchi
Jamshedpur
Burdwan
Howrah
Calcutta
Midnapur
Kharagpur
Barisal
Dacca
Narayangani
Krishnanagar
Mymensingh
EAST PAKISTAN
Bengal
Bay of Bengal
Arabian Sea
Surat
Dhulia
Burhanpur
Malegaon
Akola
Nagpur
Bilaspur
Raigarh
Sambalpur
Raipur
Kanker
Cuttack
Puri
Berhampur
Chilka Lake
Bombay
Kalyan
Aurangabad
Ahmednagar
Nanded
Chanda
Poona
Satara
Ratnagiri
Kolhapur
Sholapur
Gulbarga
Hyderabad
Warangal
Nizamabad
Vishakhapatnam
Rajahmundry
Kakinada
Vijayavada
Guntur
Masulipatnam
Nellore
Belgaum
Raichur
Kurnool
Hubli
Bellary
Davangere
Shimoga
Nova Goa
Goa
Mangalore
Bangalore
Kolar
Vellore
Madras
Pulicat Lake
Mysore
Mahé
Calicut
Coimbatore
Salem
Cuddalore
Pondicherry
Tiruchirappalli
Nagapattinam
Cochin
Alleppey
Quilon
Trivandrum
Madurai
Tirunelveli
Nagercoil
Cape Comorin
Palk Strait
Point Pedro
Jaffna
Trincomalee
Kurunegala
Kandy
Colombo
Batticaloa
Badulla
Galle
CEYLON
Laccadive Islands (India)
Maldive Islands (Br.)
Nine Degree Channel
Gulf of Mannar
Malabar Coast
Coromandel Coast
Western Ghats
Eastern Ghats
Vindhya Range
Satpura Range
Aravalli Range
Mahadeo Hills
Maikal Range
Nilgiri Hills
Cardamom Hills
Travancore Hills
Tropic of Cancer
Gulf of Cambay
Gulf of Kutch
Indus
Jhelum
Chenab
Ravi
Sutlej
Ganges
Yamuna
Chambal
Ghaghra
Son
Narbada
Tapti
Godavari
Krishna
Penner
Cauvery
Tsangpo
Manasarovar Lake
Kailas
Zhikatse
Shigatse
Gartok
Simla
Dehra Dun
Amritsar
Lyallpur
Dera Ismail Khan
Peshāwar
Islāmabad
Rawalpindi
Kohat
Marqam
Sialkot
Shahpur
Chhilka Lake
Tsangpo
Brahmaputra
Hoogly
Sundarbans
Kara Kul
Oz Kul
Lop Nor
Tarim
Khotan
Yarkand
Kashgar
Aksu
Kucha
Kara Shahr
Turfan
Baghrash Köl
Charchan
Khotan
Gilgit
Srinagar
Jammu
Karakoram Pass
Khyber Pass
Kabul
Herat
Maimana
Mazar-i-Sharif
Akcha
Termez
Oxus
Amu Darya
Syr Darya
Kokand
Andizhan
Leninabad
Tashkent
Bukhara
Chardzhou
Mary
Ashkhabad
Mashad
Kerki
Dushanbe
Samarkand
Kopet Dag
Sistan
Zābol
Girishk
Farah
Kandahār
Helmand
Quetta
Nushki
Kalāt
Sibi
Khash
Zāhedān
Dera Ghazi Khan
Multan
Bahawalpur
Shikarpur
Sukkur
Jaisalmer
Bikaner
Bela
Gwadar
Karāchi
Hyderabad
Jodhpur
Ajmer
Jaipur
Udaipur
Kota
Great Rann of Kutch
Gulf of Kutch
Gulf of Cambay
Diu
Jamnagar
Kathiawar Pen.
Bhavnagar
Ahmedabad
Baroda
Ratlam
Ujjain
Indore
Bhopal
Sagar
Jabalpur
Sonhat
Surat
Dhulia
Burhanpur
Malegaon
Akola
Nagpur
Bombay
Kalyan
Aurangabad
Ahmednagar
Nanded
Chanda
Poona
Satara
Ratnagiri
Kolhapur
Sholapur
Gulbarga
Hyderabad
Warangal
Nizamabad
Belgaum
Raichur
Kurnool
Hubli
Bellary
Davangere
Shimoga
Nova Goa
Goa
Mangalore
Bangalore
Kolar
Vellore
Madras
Pulicat Lake
Mysore
Mahé
Calicut
Coimbatore
Salem
Cuddalore
Pondicherry
Tiruchirappalli
Nagapattinam
Cochin
Alleppey
Quilon
Trivandrum
Madurai
Tirunelveli
Nagercoil
Cape Comorin
Palk Strait
Point Pedro
Jaffna
Trincomalee
Kurunegala
Kandy
Colombo
Batticaloa
Badulla
Galle
Adam's Peak
Laccadive Islands (India)
Maldive Islands (Br.)
Nine Degree Channel
Gulf of Mannar
Malabar Coast
Coromandel Coast
Western Ghats
Eastern Ghats
Vindhya Range
Satpura Range
Aravalli Range
Mahadeo Hills
Maikal Range
Nilgiri Hills
Cardamom Hills
Travancore Hills
Tropic of Cancer
Arabian Sea
Bay of Bengal
60°
70°
80°
90°
40°
30°
20°
10°

MONGOLIA
Inner Mongolia
Ordos
Ansi
Tunhwang
Yumen
Changyeh
Yinchwan
Wuwei
Wuchang
Hwang Ho
Yulin
Ningwu
Taiyuan
Fenyang
Fen Ho
Shihkiachwang
Singtai
Anyang
TAI HANG SHAN
Peking
Tientsin
Paoting
Tangku
Paotow
Hami
Mangyai
Tatsaitan
Ch'ing Hai
Sining
Lanchow
Lintan
Tienshui
Paoki
Wei Ho
Sian
Tali
Loyang
Kaifeng
Chengchow
Hsuchang
Chowkow
Tsinan
Tzeyang
Tsining
Weishan Hu
Suchow
Suhsien
Pengpu
Fowyang
Nanyang
Yunhsien
Hanchung
Han Kiang
Ankang
Siangyang
TAPIEH SHAN
Tsingkiang
Hungtze Hu
Kaoyu
Yencheng
Lienyunkang
Nanking
Chinkiang
Soochow
Shanghai
Hofei
Wuhu
Tai Hu
Anking
Tatung
Yangtze Kiang
Hangchow
Shaohing
Ningpo
Kinhwa
Linhai
Wenchow
Lishui
Kingtehchen
Chuhsien
Nanchang
Kiukiang
Wuhan
Ichang Gorge
Ichang
Kiangling
Shasi
Enshih
Tsingshih
Tung-T'ing Hu
Po-yang Hu
Foochow
Changteh
Yiyang
Changsha
Ichun
Nancheng
Kian
Shahsien
Nanping
Foochow
Siangtan
Chuchow
Yuanling
Shaoyang
Hengyang
Hungkiang
Lingling
Kanchow
Chuanchow
Amoy
Changchow
Chenhsien
Kwellin
Shiukwan
Meihsien
Chaochow
Swatow
Kwangsi
Kwangtung
Yellow Sea
Pohai
Shantung Puna
Weifang
Tsingtao
Yentai
Yangtze Kiang
Yongtze Kiang
Yushu
Yongtze Kiang
Yo-tu-Ho
Mekong
Salween
Chamdo
Red Basin
Chengtu
Nanchung
Chunghsien
Wanhsien
Kangting
Paan
Neikiang
Chungking
Koshan
Yuanling
Luchow
Ipin
Tsunyi
Wu Kiang
Chaotung
Chenyuan
Kweiyang
Anshun
Yongtze Kiang
Hungshui Ho
Kutsing
Liuchow
Nanning
Hoppo
Pakhoi
Lang Son
Yen Bay
Hanoi
Haiphong
Nam Dinh
Thanh hoa
Hoihong
Hoihow
Kiungshan
HAINAN
TAO
Tungshek
Aihsien
Yulin
Gulf of Tongking
Tongchow Hai Sia
Kwangsi
Kwangtung
Mekong
Vinh
Dong Hoi
Hué
Faifo
Quang Ngai
Quin Nhon
Song Cau
Nha Trang
Kontum
B. Pakse
M. Ubon
Surin
Nakhon Ratchasima
Nakhon Sawan
Phanom Dang Raek
Ayutthaya
Nakhon Pathom
Krung Thep
Phet Buri
Bight of Bangkok
Chanthabuli
Tavoy
Tonle Sap
Kompong Thom
Battambang
Pursat
Kompong Cham
Kratie
Phnom Penh
Saigon
My Tho
Can Tho
Rach Gia
Bac Lieu
Cap St. Jacques
Pte. de Ca Mau
Dalat
Ko Chang
Ko Kut
Prachuap Khiri Khan
Tenasserim
Mergui
Chumphon
Victoria Point
Surat Thani
Nakhon Si Thammarat
Phuket
Songkhla
Pattani
Thale Luang
Gulf of Siam
Andaman Sea
Andaman Islands (India)
Port Blair
Nicobar Islands (India)
Cape Negrais
Gulf of Martaban
Moulmein
Rangoon
Bassein
Prome
Sandoway
Henzada
Tharrawaddy
Pegu
Papun
Toungoo
Kyaukpyu
Ramree I.
Akyab
Minbu
Magwe
Yamethin
Taung-gyi
Meiktila
Mandalay
Pakokku
Yeu
Shwebo
Chittagong
Cox's Bazar
Lashio
Hsenwi
Mienning
Chenyuan
Szemao
Mengtzu
Hokow
Lao Kay
Agartala
Comilla
Mawlaik
Sadiya
Dibrugarh
Likiang
Nowgong
Gauhati
Shillong
Myitkyina
Paoshan
Tali
Erh Hai
Kunming
Tien Chih
Poseh
Kweiping
Loting
Henghsien
Watlam
Kongmoon
Macao (Port.)
Victoria
Hong Kong (Br.)
Teamkong
Luichow Pen.
Chiang Rai
Chiang Mai
Muang Nan
M. Lampang
Vientiane
Luang Prabang
Xieng Khouang
Nakhon Phanom
Thakek
Udon Thani
Muang Khon Kaen
Tak
M. Ping
M. Yom
Thailand
Cambodia
South China Sea
Paracel Islands
Formosa
Tropic of Cancer
Pescadores
Strait of
Brahmaputra
Irrawaddy
Salween
Mekong
Yangtze Kiang
Burma
Assam
Naga Hills
Lushai Hills
Manipur
Himalaya Mts.
Nan Ling Shan
Yun Ling
Tsaidam
Bayan Kara Shan
Min Shan
Ch'in Ling Shan
Tapa Shan
Tai Hang Shan
Wu Shan
Kiulin Shan
Hengshan
Talou Shan
Nu Shan
Tanglha Range
Kangri Karpo
Konka Gangri
Namcha Barwa
Kailas
Mt. Everest
Kanchenjunga
Mt. Godwin Austen
Nanga Parbat
Annapurna
Dhaulagiri
Makalu
Lhasa
Shigatse
Gyangtse
Gartok
Leh
Srinagar
Kashmir
Jammu
Simla
Amritsar
Delhi
Jaipur
Ajmer
Jodhpur
Kanpur
Lucknow
Allahabad
Benares
Patna
Gaya
Ranchi
Jamshedpur
Calcutta
Howrah
Hooghly
Midnapore
Cuttack
Bhubaneswar
Puri
Berhampur
Vizagapatam
Rajahmundry
Kakinada
Vijayawada
Guntur
Ongole
Nellore
Madras
Pondicherry
Cuddalore
Tiruchirapalli
Madurai
Tuticorin
Cape Comorin
Trivandrum
Quilon
Cochin
Calicut
Mangalore
Karwar
Goa
Panaji
Belgaum
Hubli
Bijapur
Sholapur
Poona
Bombay
Ahmadnagar
Aurangabad
Jalgaon
Nagpur
Bhopal
Indore
Ujjain
Kota
Ajmer
Jodhpur
Bikaner
Jaisalmer
Ganganagar
Hissar
Rohtak
Ambala
Ludhiana
Jullundur
Amritsar
Lahore
Multan
Bahawalpur
Sukkur
Hyderabad
Karachi
Quetta
Kalat
Zahidan
Nushki
Khuzdar
Las Bela
Panjgur
Turbat
Gwadar
Jiwani
Pasni
Ormara
Kharan
Dalbandin
Chagai
Nok Kundi
Kirthar Range
Sulaiman Range
Khyber Pass
Peshawar
Kohat
Bannu
Dera Ismail Khan
Dera Ghazi Khan
Rawalpindi
Abbottabad
Mardan
Swat
Chitral
Gilgit
Skardu
Kabul
Jalalabad
Ghazni
Kandahar
Herat
Farah
Lashkar Gah
Qalat
Zaranj
Girishk
Chaman
Spin Boldak
Afghanistan
Iran
Pakistan
India
Nepal
Bhutan
Sikkim
Tibet
Sinkiang
Kansu
Shensi
Shansi
Hopeh
Honan
Hupeh
Hunan
Kiangsi
Kiangsu
Anhwei
Chekiang
Fukien
Kwangtung
Kwangsi
Yunnan
Kweichow
Szechwan
Ching Hai
Inner Mongolia
Manchuria
Korea
Japan
Taiwan
Ryukyu Islands
Philippines
Indonesia
Malaysia
Singapore
Brunei
Sarawak
Sabah
Java
Sumatra
Borneo
Celebes
Timor
Bali
Lombok
Sumbawa
Flores
Sumba
Moluccas
New Guinea
Australia
Tasmania
New Zealand
Pacific Ocean
Indian Ocean
Arctic Ocean
Bering Sea
Sea of Okhotsk
Sea of Japan
East China Sea
Yellow Sea
Bohai
Gulf of Tonkin
Gulf of Thailand
Gulf of Martaban
Bay of Bengal
Arabian Sea
Persian Gulf
Gulf of Oman
Red Sea
Gulf of Aden
Mediterranean Sea
Black Sea
Caspian Sea
Aral Sea
Lake Baikal
Lake Balkhash
Lake Issyk Kul
Lake Chad
Lake Victoria
Lake Tanganyika
Lake Nyasa
Lake Rudolf
Lake Albert
Lake Edward
Lake Kivu
Lake Tana
Lake Titicaca
Lake Maracaibo
Lake Nicaragua
Lake Managua
Lake Atitlan
Lake Izabal
Lake Peten Itza
Lake Texcoco
Lake Chapala
Lake Patzcuaro
Lake Pontchartrain
Lake Okeechobee
Lake Michigan
Lake Superior
Lake Huron
Lake Erie
Lake Ontario
Great Lakes
Great Salt Lake
Salton Sea
Death Valley
Mojave Desert
Sonoran Desert
Chihuahuan Desert
Great Basin
Great Plains
Rocky Mountains
Sierra Nevada
Cascade Range
Coast Ranges
Appalachian Mountains
Blue Ridge Mountains
Smoky Mountains
Ozark Plateau
Ouachita Mountains
Black Hills
Badlands
Yellowstone National Park
Grand Canyon
Yosemite National Park
Mount Rainier
Mount Shasta
Mount Whitney
Mount McKinley
Mount Logan
Mount Saint Elias
Mount Fairweather
Mount Robson
Mount Waddington
Mount Assiniboine
Mount Edith Cavell
Mount Hood
Mount Saint Helens
Mount Rainier
Mount Adams
Mount Jefferson
Mount Shasta
Mount Lassen Peak
Mount Whitney
Mount Elbert
Mount Massive
Mount Harvard
Mount Rainier
Mount Hood
Mount Saint Helens
Mount Adams
Mount Jefferson
Mount Shasta
Mount Lassen Peak
Mount Whitney
Mount Elbert
Mount Massive
Mount Harvard

100 0 100 200 300 400 500 Miles

NORTHERN AFRICA

ATLANTIC OCEAN
MEDITERRANEAN SEA
STRAIT OF GIBRALTAR
Cadiz
Malaga
Gibraltar (Br.)
Ceuta
Tetuan
Tangier
Larache
Alcazarquivir
Port Lyautey
Rabat
Meknès
Fès
Casablanca
Mazagan
Sefrou
Oujda
Melilla
Oran
Alger
Skikda
Bizerte
Cape Bon
SICILIA
PANTELLERIA (ITAL.)
Tunis
Bône
Philippeville
Bougie
Blida
Tizi Ouzou
Constantine
Annaba
Mostaganem
Sidi-bel-Abbès
Batna
Sousse
Kairouan
MALTA
Tlemcen
Hauts Plateaux
ATLAS SAHARIEN
Biskra
Sfax
Chott Melrhir
Gabès
ILE DE DJERBA
MADEIRA (PORT.)
Funchal
MOROCCO
MOYEN ATLAS
HAUT ATLAS
Safi
Marrakech
Mogador
Agadir
Ain Sefra
Figuig
Touggourt
Tripoli
Homs
Misurata
Nalut
Sirte
Hun
Tripolitania
LIBYA
ILHAS SELVAGENS (PORT.)
ISLAS CANARIAS (SP.)
PALMA
TENERIFE
Las Palmas
GRAN CANARIA
Colomb Béchar
Ouargla
Ghadames
Gadames
IFNI
Ifni
Beni Abbès
El Golëa
Grand Erg Occidental
Grand Erg Oriental
Plateau du Tadémaït
Haut Plateau du Draa
Erg Iguidi
Erg Chech
In Salah
ALGERIA
SPANISH SAHARA
Villa Cisneros
TROPIC OF CANCER
Sebha
Murzuq
El Gatrun
Ghat
AHAGGAR
MT. TAHAT 9,874'
Tamanrasset
Tanezrouft
Sahara
Tummo
Cap Blanc
Port Etienne
Plateau du Djado
PIC TOUSSIDE 10,712'
Bardai
ADRAR DES IFORAS
Tassili Oua-n-Ahaggar
Tenere
TIBESTI
MAURITANIA
Nouakchott
Tidjikja
TAMGAK MTS. 5,910'
AIR
Bilma
Kidal
Kiffa
Tombouctou
Goundam
Gao
Agadès
NIGER
St. Louis
Sénégal
Matam
Cape Verde
Dakar
Djourbel
SENEGAL
Kaolack
Nioro
Kayes
Mopti
Tahoua
Koro Toro
Bathurst
GAMBIA
Niger
MALI
Kolda
Ségou
Niamey
Birni n'Konni
Zinder
N'guigmi
Lake Chad
Mao
CHAD
Bissau
PORTUGUESE GUINEA
Bamako
Sokoto
Maradi
Katsina
FOUTA DJALLON
Labe
GUINEA
Sikasso
Bobo Dioulasso
Ouagadougou
Koudougou
UPPER VOLTA
Volta Noire
Volta Blanche
Volta Rouge
Birnin Kebbi
Kano
Dikwa
Maiduguri
Ft. Lamy
Mamou
Dabola
Kindia
Kankan
Kaduna
Zaria
Potiskum
Conakry
SIERRA LEONE
Freetown
Magburaka
Bo
Kenema
Odienne
Beyla
IVORY COAST
Tamale
Djougou
Parakou
DAHOMEY
Zungeru
Jos
Bida
Minna
Maroua
Chari
Logone
NIGERIA
Sokodé
Ilorin
Yola
SHEBSHI MTS
Savé
Oyo
Ibadan
Lokoja
Oshogbo
Wukari
Benue
Makurdi
MASSIF DE L'ADAMAOUA
N'Gaoundéré
Tibati
Ouham
CEN
Bouaké
Man
MT. NIMBA
GHANA
Abenqourou
Kumasi
Porto Novo
Abeokuta
Ijebu-Ode
Benin City
Onitsha
Enugu
MT. GOTEL
Monrovia
Buchanan
LIBERIA
COAST
Koforidua
Oda
Cotonou
Lagos
Volta Noire
Niger
Sassandra
Abidjan
Bingerville
Grand Bassam
Accra
Sekondi
Takoradi
Cape Palmas
Cape Three Points
Grain Coast
Ivory Coast
Gold Coast
Slave Coast
Mouths of the Niger
BIGHT OF BENIN
Warri
Port Harcourt
Calabar
Dschang
Yoko
CAMEROON
Carnot
Douala
CAMEROONS MT. 13,353
Sanaga
Yaoundé
FERNANDO PÓO (SP.)
GULF OF GUINEA
BIGHT OF BIAFRA
PRINCIPE (PORT.)
Bata
RIO MUNI
Impfondo
Ubangi
Mitzic
SÃO TOMÉ (PORT.)
Libreville
GABON
Port Gentil
Ndjolé
Ogooué
ANNOBÓN (SP.)
Lambaréné
Gamboma
CONGO
Mayoumba
Brazzaville
Stanley Pool
Kinshasa
Pointe Noire
CABINDA (ANGOLA)
Cabinda
Boma
Matadi
Congo
Maquela do Zombo
S. Antº do Zaire
Kwango
ASCENSION (BR.)
S. Paulo de Luanda
Malanje
ANG
Silva Porto
Lobito
Benguela
Nova Lisboa
100 0 100 200 300 400 500 Miles
26


Izmir
Korinthos
Athinai
Iráklion
CRETE
CYPRUS
Nicosia
Famagusta
Limassol
Tripoli
Antakya
Alep
Homs
Beirut
Damascus
Haifa
Tel Aviv
Amman
Jerusalem
Gaza
Dead Sea
Port Said
Rosetta
Damietta
Alexandria
Matruh
Libyan Plateau
Qattara Depression
PYRAMIDS
Cairo
Suez
Ismailia
Suez Canal
Bitter Lake
Tanta
Benha
El Giza
Aghēlia
Siwa Oasis
Siwa
Beni Suef
Sinai Pen.
Aqaba
Gulf of Suez
Red Sea
El Minya
Asyût
Hurghada
Farafra Oasis
Sohâg
Qena
Luxor
Dakhla Oasis
El Kharga
Kharga Oasis
Kufra Oasis
Aswan Dam
Aswan
Gilf Kebir Plateau
2nd Cataract
Wadi Halfa
Nubian Desert
Delgo
3rd Cataract
Nile
4th Cataract
5th Cataract
Musmar
Atbara
Ed Damer
Port Sudan
Suakin
Ouseir
Medina
Riyadh
Al Jawf
Hā'il
Mosul
Alep
Baghdād
Tehrān
Elburz Mts.
Tigris
Euphrates
Isfahān
Dezfūl
Āvāz
Yazd
Kermān
Shahdūr
Bandar
Basra
Ābādān
Kuwait
Būsheher
Qatif
Al Hufūf
Sharjah
Persian Gulf
Tropic of Cancer
Jiddah
Mecca
Red Sea
Rub' al Khali
Omdurman
Khartoum
Kassala
Agordat
Asmara
Wad Medani
Ed Dueim
El Obeid
Kosti
White Nile
Blue Nile
Lake Tana
Renk
Roseires
Aduwa
Aligrat
Ras Dashan
Şan'ā
Mukalla
Hodeida
Zabid
Mocha
Aden
Gulf of Aden
Djibouti
French Somaliland
Socotra
Hadibo
Cape Guardafui
Las Khoreh
Berbera
Bab el Mandeb
Diredawa
Hargeisa
Harar
Obbia
Mogadiscio
Somali Republic
Ethiopia
Lugh Ferrandi
Isha Baidao
Wajir
Mega
Moyale
Lake Rudolf
Kenya
Nimule
Kitgum
Gulu
Murchison Falls
Lake Kyoga
Lake Albert
Soroti
Uganda
Mbale
Owen Falls Dam
Jinja
Tororo
Kakamega
Kisumu
Nairobi
Narok
Kisangani
Stanley Falls
Fort Portal
Kampala
Entebbe
Masaka
Mbarara
Lake Victoria
Kabale
Bukoba
Mwanza
Ngorongoro Crater
Arusha
Kilimanjaro
Equator
Indian Ocean
Zaire
Bukavu
Burundi
Kindu
Kibombe
Port Francqui
Kikwit
Lusambo
Luluabourg
Tshikapa
Kongolo
Albertville
Kigoma
Ujiji
Tabora
Kondoa
Tanganyika
Lake Rukwa
Dodoma
Kilosa
Morogoro
Iringa
Mbeya
Abercorn
Kasama
Manda
Mahenge
Kilwa Kivinje
Lindi
Mtwara
Dar es Salaam
Zanzibar
Mombasa
Malindi
Lamu
Aldabra Is. (Br.)
Assumption (Br.)
Comoro Is. (Fr.)
Grande Comore
Anjouan
Mayotte
Moçambique
Madagascar
Diego Suarez
Tananarive
Tamatave
Majunga
Tropic of Capricorn
Manono
Kamina
Bukama
Sandoa
Kolwezi
Jadotville
Lubumbashi
Kitwe
Ndola
Kasempa
Broken Hill
Fort Jameson
Vila Henrique de Carvalho
Va Luso
Ft. Archambault
Ft. Crampel
Ft. Sibut
Bambari
Bangassou
Bangui
Libenge
Buta
Lisala
Coquilhatville
Ponthierville
Port Francqui
Malakal
Juba
Marida
Dungu
Zambia
Angola
Congo
Sudan
Chad
Central African Republic
Cyrenaica
Libya
Egypt (U.A.R.)
Ennedi
Largeau
Abeche
Darfur
Jabal Marra
El Fasher
En Nahud
Am Timmane
Benghazi
Derna
Cyrene
Tobruk
Jabal al Akhdar
Sidi Barrani
Aouk
Lol
Bahr el Ghazal
Sobgi
White Nile
Bomu
Ubangui
Uele
Lake Edward
Lake Albert
Lake Tanganyika
Lake Mweru
Lake Bangweulu
Luapula
Luvua
Lukuga
Lualaba
Kwilu
Kasai
Sankuru
Lomami
Tshuapa
Zambezi
Cassai
Kafue
Luiua
Luiba
Lobilash
Ruvuma
Lake Nyasa
Mts. of the Moon
Ruwenzori
Virunga Mts.
Nyanza
Rwanda
Burundi
Ngorongoro Crater
Mt. Kilimanjaro
Mt. Meru
Usambara Mts.
Uluguru Mts.
Livingstone Mts.
Nyika Plateau
Mt. Mlanje
Mt. Gorongosa
Mt. Chiperone
Mt. Namuli
Mt. Binga
Mt. Inyangani
Mt. Vumba
Mt. Gurue
Mt. Chiringoma
Mt. Mabu
Mt. Moribane
Mt. Lebombo
Mt. Mecula
Mt. Namuli
Mt. Chiperone
Mt. Gorongosa
Mt. Mlanje
Mt. Nyika Plateau
Mt. Kilimanjaro
Mt. Meru
Mt. Kenya
Mt. Elgon
Mt. Ruwenzori
Mt. Virun

SOUTHERN AFRICA

SECTION TWO

THE COUNTRIES OF THE WORLD

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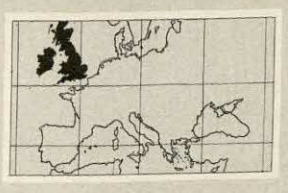
THE BRITISH ISLES



UNITED KINGDOM (ENGLAND: SCOTLAND: WALES: N. IRELAND)
AREA: *94,207 sq. miles.* POPULATION: *54,965,000.*
ENGLAND AREA: *50,327 sq. miles.* POPULATION: *45,374,000.*
WALES AREA: *8,016 sq. miles.* POPULATION: *2,701,000.*

HEIGHTS IN FEET
3000
1500
600
300
SEA LEVEL
Depression
80
150
300
600
3000
DEPTHS IN FEET

ZETLAND (SHETLAND)

NORTH SEA

ATLANTIC OCEAN

SCOTLAND

ENGLAND

IRELAND

Long Forties

Little Halibut Bank

Buchan Deep

Devil's Hole

Farne Deep

Rosemary Bank

Stanton Banks

North Minch

Little Minch

Sound of Harris

Inner Sound

Firth of Clyde

Firth of Forth

Moray Firth

Pentland Firth

Solway Firth

Tarbat Ness

Duncansby Hd

Dunnet Hd

Kinnaird Hd

Buchan Ness

Girdle Ness

St Abbs Hd

Fife Ness

Ness of Burgi

Sumburgh Hd

Fitful Hd

Grutness

Mousa

Bressay

Noss

Lerwick

Scalloway

West Barra

Foula

Fair Isle

Papa Stour

Vaila

Out Skerries

Whalsey

Yell

Unst

Balta

Fetlar

Herma Ness

Orkney

Kirkwall

Stromness

Hoy

Pentland Firth

Scapa Flow

Stronsay

Sanday

Eday

Shapinsay

Papa Westray

North Ronaldsay

South Ronaldsay

Barra Head

Pabbay

Harris

Lewis

North Uist

South Uist

Benbecula

Monach Is

Flannan Is

St Kilda

North Rona

Sula Sgeir

Sula Skerry

Stack Skerry

Butt of Lewis

Stornoway

Broad B.

Loch Roag

Loch Erisort

Loch Seaforth

Shiant Is

Gheenstope

Rubha Hunish

Tarbert

Taransay

Soay

Rhum

Eigg

Muck

Ardnamurchan Pt

Coll

Tiree

Canna

Eriskay

Barra

Skerryvore

Dubh Artach

Colonsay

Islay

Jura

Mull

Staffa

Iona

Oban

Fort William

Ben Nevis 4406 ft

Ben Wyvis 3429 ft

Ben Dearg 3547 ft

Ben More Assynt

Suilven

Quinag

Foinaven

Arkle

Ben Hope 3040 ft

Ben Loyal

Morven

Cairngorm

Ben Macdhui

Lochnagar

Beinn a'Bhuird

Ben Avon

Ben Rinnes

Mt Keen

Lochy

Spey

Dee

Don

Tay

Forth

Clyde

Tweed

Solway

Tyne

Wear

Tees

Humber

Wash

Holy I.

Farne Is

Berwick

Eyemouth

Dunbar

Edinburgh

Leith

Glasgow

Paisley

Greenock

Ayr

Stranraer

Portpatrick

Dumfries

Gretna

Carlisle

Newcastle

Sunderland

South Shields

Tynemouth

Blyth

Ardrossan

Arran

Holy I.

Lindisfarne

Farne Is

Inishtrahull

Malin Hd

Lough Swilly

Lough Foyle

Inishowen

Tory I.

Sheep Haven

Bloody Foreland

Aran I.

Rathlin I.

Fair Hd

Mull of Kintyre

Sanda

Ailsa Craig

Mull of Oa

Port Ellen

Gigha

Port Askaig

Lochgilphead

Campbeltown

Tarbert

Loch Fyne

Loch Awe

Loch Leven

Loch Lomond

Loch Katrine

Loch Tay

Loch Earn

Loch Rannoch

Loch Tummel

Loch Garry

Loch Quoich

Loch Hourn

Loch Nevis

Loch Morar

Loch Shiel

Loch Eil

Loch Arkaig

Loch Lochy

Loch Oich

Loch Ness

Loch Eye

Loch Fleet

Loch Shin

Loch Laxford

Loch Inchard

Loch Eriboll

Loch Hope

Loch Naver

Loch Assynt

Loch Maree

Loch Torridon

Loch Carron

Loch Alsh

Loch Duich

Loch Long

Loch Goil

Loch Striven

Loch Ryan

Loch Indaal

Loch Gruinart

Loch Sunart

Loch Leven

Loch Etive

Loch Creran

Loch Linnhe

Loch Sunart

Loch Moidart

Loch Ailort

Loch Eynort

Loch Boisdale

Loch Skiport

Loch Druidibeg

Loch Bee

Loch Maddy

Loch Obisary

Loch Scadavay

Loch Finlaggan

Loch Gruinart

Loch Indaal

Loch Ryan

Loch Striven

Loch Goil

Loch Long

Loch Duich

Loch Alsh

Loch Carron

Loch Torridon

Loch Maree

Loch Assynt

Loch Naver

Loch Hope

Loch Eriboll

Loch Inchard

Loch Laxford

Loch Shin

Loch Fleet

Loch Eye

Loch Ness

Loch Oich

Loch Lochy

Loch Eil

Loch Arkaig

Loch Shiel

Loch Morar

Loch Nevis

Loch Hourn

Loch Quoich

Loch Garry

Loch Tummel

Loch Rannoch

Loch Earn

Loch Tay

Loch Katrine

Loch Lomond

Loch Leven

Loch Fyne

Loch Awe

Loch Etive

Loch Creran

Loch Linnhe

Loch Sunart

Loch Moidart

Loch Ailort

Loch Eynort

Loch Boisdale

Loch Skiport

Loch Druidibeg

Loch Bee

Loch Maddy

Loch Obisary

Loch Scadavay

Loch Finlaggan

Aberdeen

Dundee

Perth

Inverness

Stirling

Kirkwall

Lerwick

Stornoway

Oban

Fort William

Ullapool

Kyle of Lochalsh

Portree

Broadford

Kyleakin

Mallaig

Arisaig

Lochboisdale

Lochmaddy

Tarbert

Campbeltown

Port Askaig

Port Ellen

Scalloway

Sullom Voe

Yell Sd

Bressay Sd

Papa Stour

Vaila

Foula

Fair Isle

Out Skerries

Whalsey

Fetlar

Unst

Balta

Herma Ness

Sumburgh Hd

Fitful Hd

Grutness

Mousa

Noss

Lerwick

Scalloway

West Barra

Foula

Fair Isle

Papa Stour

Vaila

The British Isles, having regard to their relatively small area, show a structural variety matched by few European countries. A line drawn north-eastwards from the Exe to the Tees roughly separates Great Britain's ancient uplands (stretching from the Scottish Highlands to the moors of Devon and Cornwall) from the more recent rock formations found in the gentler slopes of the Cotswolds and Chilterns, East Anglia and the Weald. Signs of a one-time connection with the Continent are evident in the south, the fens of East Anglia having their counterpart in the low-lying flats of the Netherlands, and the chalk cliffs of Dover and the granitic cliffs of Cornwall in the coast of northern France.

STATE BOUNDARY

COUNTY BOUNDARIES

SCALE: 1 INCH TO 39 MILES

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IRELAND

NORTHERN IRELAND AREA: *5,459 sq. miles.* POPULATION: *1,484,000.* CAPITAL: *Belfast (population: 402,900).*
REPUBLIC OF IRELAND AREA: *27,135 sq. miles.* POPULATION: *2,880,752.* CAPITAL: *Dublin (population: 568,271).*

By comparison with England and Wales, Ireland is fairly compact in shape. Apart from the stretch of coast running from Dundalk Bay to Dublin, the island is almost entirely surrounded by uplands which, especially

HEIGHTS IN FEET
3000
1500
600
300
150
SEA LEVEL
150
300
600
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 20 MILES

MAIN ROADS
RAILWAYS

on the jagged west coast, often rise sheer from the sea. Inside this upland enclosure is an extensive lowland area covered with lakes, moors, and low-lying bogland; though even this region is interrupted by groups of hills. The land level of the plain is low, averaging about 300 feet above the sea. The Shannon (240 miles long) is Ireland's principal river and the longest in the British Isles. Draining the central plain, the river flows southwards through a series of loughs before reaching the huge estuary by which it flows into the Atlantic. The Shannon estuary is one of a number of rias, or drowned river valleys, which cut far into Ireland's west coast.

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STATE BOUNDARY

COUNTY BOUNDARIES

SCALE: 1 INCH TO 20 MILES

SCOTLAND

AREA: *30,405 sq. miles.* POPULATION: *5,190,800.*
CAPITAL: *Edinburgh (population: 468,765).*
Other principal towns with populations: GLASGOW *(979,798),* ABERDEEN *(183,463).*

The map shows a narrow finger of land, mainly upland, stretching northwards from the Cheviots. In the north, the Highlands (Ben Nevis, 4,406 feet, is the highest peak in the British Isles)

HEIGHTS IN FEET
3000
1500
600
300
50
SEA LEVEL
150
300
600
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 20 MILES

MAIN ROADS
RAILWAYS

occupy nearly two-thirds of Scotland's total area. The Central Lowlands, where the Firth of Clyde reaches to within 30 miles of the Firth of Forth to which it is connected by canal, separate the Highlands from a third region, the Southern Uplands. The North West Highlands are separated from the rest by Lochs Linnhe, Lochy and Ness, which are connected by the Caledonian Canal to the Moray Firth to make another waterway stretching right across the country. The northern and western coasts are fringed by many islands and islets—to the north the Orkneys numbering 90, the Shetlands, 50 miles farther north, numbering about 100, and on the west the Hebrides, a group of more than 500.

NORTH SEA
ATLANTIC OCEAN
NORTH CHANNEL
IRISH SEA
SCOTLAND
ENGLAND
IRELAND
NORTHUMBERLAND
DURHAM
CUMBERLAND
WESTMORLAND
ANGUS
PERTH & KINROSS
FIFE
EAST LOTHIAN
MIDLOTHIAN
BERWICK
ROXBURGH
PEEBLES
SELKIRK
STIRLING
CLACKMANNAN
WEST LOTHIAN
LANARK
RENFREW
ARGYLL
BUTE
ARRAN
AYR
DUMFRIES
KIRKCUDBRIGHT
WIGTOWN
ANTRIM
DOWN
LONDONDERRY
TYRONE
ARMAGH
ISLE OF MAN
Edinburgh
Glasgow
Dundee
Aberdeen
Perth
Stirling
Carlisle
Newcastle
Sunderland
Belfast
Londonderry
Oban
Inverness
Kirkcaldy
Galashiels
Hawick
Berwick-upon-Tweed
Workington
Whitehaven
Dumfries
Ayr
Greenock
Paisley
Motherwell
Hamilton
Falkirk
Cumbernauld
Coatbridge
Kilmarnock
Stranraer
Portpatrick
Wigtown
Newton Stewart
Girvan
Ballantrae
Mull of Galloway
Luce Bay
Wigtown Bay
Solway Firth
Firth of Forth
Firth of Clyde
Firth of Tay
Moray Firth
Loch Lomond
Loch Ness
Loch Linnhe
Loch Lochy
Loch Shiel
Loch Awe
Loch Fyne
Loch Tay
Loch Rannoch
Loch Katrine
Loch Leven
Loch Earn
Loch Garry
Loch Arkaig
Loch Morar
Loch Hourn
Loch Alsh
Loch Broom
Loch Maree
Loch Torridon
Loch Carron
Loch Duich
Loch Long
Loch Goil
Loch Striven
Loch Ryan
Loch Indaal
Loch Gruinart
Loch Sunart
Loch Sween
Loch Swilly
Lough Foyle
Lough Neagh
Lough Erne
Lough Larne
Lough Belfast
Lough Strangford
Lough Carlingford
Cheviot
Ben Nevis
Ben Macdui
Ben Lawers
Ben More
Schiehallion
Ben Cruachan
Ben Lomond
Goatfell
Merrick
Criffel
Cross Fell
Scafell Pike
Helvellyn
Skiddaw
Saddleback
Slieve Donard
Slieve Gullion
Mourne Mountains
Sperrin Mountains
Antrim Hills
Kells Range
Lammermuir Hills
Moorfoot Hills
Pentland Hills
Ochil Hills
Cheviot Hills
Southern Uplands
Grampians
Highlands
Central Lowlands
Northern Ireland
Isle of Man
Isle of Arran
Isle of Bute
Isle of Islay
Isle of Jura
Isle of Mull
Isle of Skye
Isle of Lewis
Isle of Harris
Isle of North Uist
Isle of South Uist
Isle of Benbecula
Isle of Barra
Isle of Tiree
Isle of Coll
Isle of Colonsay
Isle of Iona
Isle of Staffa
Isle of Rathlin
Isle of Inishtrahull
Isle of Holy I.
Isle of Farne Is.
Isle of May
Bell Rock
Bass Rock
St Abb's Hd
Fife Ness
Buddon Ness
Lunan Bay
Barra Hd
Malin Hd
Mull of Kintyre
Mull of Oa
Fair Head
Ardnamurchan Pt.
Ardnave Pt.
Corsewall Pt.
Burrow Hd
St Bees Hd
Pt. of Ayre
Pt. of Sleat
Pt. of Ardnamurchan

SOUTH ENGLAND AND WALES

Principal towns, with populations: LONDON *(Greater London Council Area)*: *7,913,600.* BIRMINGHAM: *1,101,440.* BRISTOL: *429,020.* NOTTINGHAM: *310,280.* CARDIFF: *259,700.*

HEIGHTS IN FEET
3000
1500
600
300
150
SEA LEVEL
Depression
150
300
600
DEPTHS IN FEET

DUBLIN
Dublin (Baile Atha Cliath)
Dun Laoghaire
Howth Hd
Lambay I.
R. Liffey
Naas
Bray
Kilcoole
WICKLOW
Wicklow
Wicklow Hd
Rathdrum
Aughrim
Arklow
Shillelagh
Corey
Ferns
R. Slaney
Cahore Pt
Enniscorthy
Wexford Harb.
Wexford
Rosslare Harb.
Greenore Pt
Carnsore Pt
St. George's Channel
Irish Sea
Holyhead
Holy I.
Amlwch
Cemaes
Llanerchymedd
ANGLESEY
Llangefni
Beaumaris
Menai Br.
Menai Str.
Caernarvon Bay
Caernarvon
Bangor
Llanfairfechan
Penmaenmawr
Conway
Llandudno
Great Ormes Hd
Colwyn Bay
Rhyl
Abergele
Llanrwst
Betws-y-coed
Snowdon 3560ft.
Llanberis
Llanllyfni
Beddgelert
Nevin
Lleyn Peninsula
Porthmadoc
Criccieth
Pwllheli
Tremadoc Bay
Porth Neigwl
Penkilan Hd
Bardsey I.
Harlech
Barmouth
Dolgellau
Cader Idris 2927ft.
Arran Mawddwy 2970ft.
Aran Fawddwy
Dinas Mawddwy
Llanfair
Caereinion
Llanfyllin
Llyn Vyrnwy
Bala
Bala L.
Vale of Bala
Berwyn Mts.
Oswestry
Llanymynech
Llangollen
Corwen
Ruthin
Denbigh
Mold
Hawarden
Flint
Holywell
St. Asaph
Trefnant
Llanferres
Clwyd
Dee
Deeside
Wirral Peninsula
Point of Air
Hoylake
Liverpool
Bay
Formby Pt.
Ormskirk
Formby
Great Crosby
Aintree
Bootle
Wallasey
Birkenhead
Prescot
St. Helens
Wigan
Horwich
Bolton
Leigh
Earlestown
Warrington
Runcorn
Widnes
Mersey
Stanlow
Ellesmere Port
Chester
Winsford
Tarporley
Weaver
Nantwich
Malpas
Wrexham
Rhosllanerchrugog
Overton
Whitchurch
Ellesmere
Wem
Shrewsbury
Harmarhill
Wellington
Severn Gorge
Ironbridge
Much Wenlock
Bridgnorth
Church Stretton
Craven Arms
Bishops Castle
Clun
Clun Forest
Ludlow
Cleobury Mortimer
Bewdley
Tenbury
Knighton
Presteigne
New Radnor
Radnor Forest
Rhayader
Llandrindod Wells
Builth Wells
Newbridge on Wye
Llanwrtyd Wells
Llandovery
Llandeilo
Llangadock
Brecon
Brecon Beacons
Usk
Crickhowell
Abergavenny
Monmouth
Pontypool
Blaenavon
Ebbw Vale
Tredegar
Merthyr Tydfil
Aberdare
Mountain Ash
Pontypridd
Caerphilly
Llantrisant
Newport
Chepstow
Tintern
Lydney
Berkeley
Thornbury
Severn
Severn Bridge
Avonmouth
Bristol
Portishead
Clevedon
Keynsham
Bath
Yeo Res.
Cardiff
Penarth
Barry
Cowbridge
Llandaff
Bridgend
Porthcawl
Nash Pt.
Aberthaw
Weston super Mare
Axbridge
Cheddar
Wells
Glastonbury
Shepton Mallet
Street
Sedgemoor
Bridgwater
Quantock Hills
Brendon Hills
Exmoor
Minehead
Bridgwater Bay
Burnham
Watchet
Dunkery Beacon
Dunster
Williton
Wiveliscombe
Taunton
Somerton
Langport
Ilminster
Chard
Crewkerne
Yeovil
Sherborne
Blackmoor
Yetminster
Milborne Port
Wincanton
Castle Cary
Ilchester
Martock
Blackdown Hills
Tone
Yeo
Foreland Pt.
Lynton
Porlock
Ilfracombe
Morte Pt.
Lundy
Parracombe
Braunton
Barnstaple
Bideford Bay
Westward Ho!
Appledore
Bideford
Hartland Pt.
Hartland
Clovelly
Great Torrington
Witheridge
Chulmleigh
Tiverton
Uffculme
Cullompton
Bradninch
Honiton
Crediton
Exe
Exeter
Topsham
Exmouth
Dawlish
Teignmouth
Torquay
Paignton
Brixham
Tor Bay
Totnes
Dartmouth
Kingswear
Kingsbridge
Salcombe
Start Bay
Start Pt.
Prawle Pt.
Bigbury Bay
Plymouth Sd.
Devonport
Plymouth
Saltash
St. Germans
Looe
E. Looe
Polperro
Lostwithiel
Fowey
St. Austell
St. Austell B.
Par
Newquay
St. Columb
Perranporth
St. Agnes
Newlyn East
St. Blazey
Truro
Redruth
St. Day
Camborne
Hayle
Penryn
St. Ives
St. Ives B.
Tregoney
Mevagissey
Grampound
Dodman Pt.
Eddystone L.t Ho.
Penzance
Marazion
Falmouth
Falmouth B.
St. Just
C. Cornwall
Longships L.t Ho.
Land's End
Sennen
Mounts Bay
Helston
Lizard
Lizard Pt.
Wolf Rock L.t Ho.
Tresco
St. Martins
St. Marys
Hugh Town
Bishop Rock L.t Ho.
St. Agnes
Isles of Scilly
Bude
Stratton
Holsworthy
Hatherleigh
Torridge
Tamar
Bradworthy
Merton
Whitstone
Okehampton
Boscastle
Tintagel Hd
Port Isaac
Camelford
Launceston
Dartmoor
Bodmin Moors
Bodmin
Wadebridge
Padstow
Petherick
Callington
Liskeard
Gunnislake
Tavistock
Princetown
Yelverton
Ashburton
Bovey Tracey
Newton Abbot
Moreton Hampstead
Lydford
Sourton
Yes Tor
Okement
Taw
Dart
Teign
Otter
Axe
Lyme Regis
Seaton
Sidmouth
Lyme Bay
Abbotsbury
Chesil Bank
Portland Isle
Portland
Beaminster
Maiden Newton
Dorchester
Purbeck
Wey
Aberystwyth
Llanrhystyd
Aberaeron
New Quay
Cardigan
Cardigan Bay
Aberdovey
Towyn
Machynlleth
Tal-y-bont
Plynlimon 2468ft.
Llanidloes
Newtown
Montgomery
Carno
Caersws
Welshpool
Pontesbury
Severn
Wye
Mynydd Bach
Ystwith
Devil's Bridge
Ystrad
Sarnau
Lampeter
Pumpsaint
Llandyssul
Newcastle Emlyn
Jeffreston
Fishguard
Fishguard B.
Strumble Hd
Newport
Cardigan
St. Dogmells
Crymmych Arms
Pencader
Maenclochog
Mynydd Eppynt
Talgarth
Hay on Wye
Hereford
Ledbury
Eardisley
Marden
Leominster
Bromyard
Pembridge
Kington
Weobley
Tenbury
Malvern
Great Malvern
Cinderford
Forest of Dean
Newnham
Blakeney
Berkeley
Wotton under Edge
Thornbury
Chepstow
Tintern
Monmouth
Usk
Pontrilas
Ross
Peterstow
Grtcklowell
Abergavenny
Brynmawr
Tredegar
Ebbw Vale
Blaenavon
Pontypool
Abersychan
Pontnewynydd
Cwmbran
Caerleon
Risca
Rhymney
Tredegar
Merthyr Tydfil
Dowlais
Aberdare
Mountain Ash
Pontypridd
Llantrisant
Caerphilly
Llandaff
Bridgend
Neath
Briton Ferry
Port Talbot
Margam
Swansea
Gower
Swansea Bay
Worms Hd
Mumbles
Port Eynon
Burry Inlet
Llanelli
Kidwelly
Carmarthen
Carmarthen Bay
Tenby
Saundersfoot
Pembroke
Pembroke Dock
Milford Haven
Milford Haven
Skomer I.
Ramsey I.
St. Davids Hd
St. Davids
St. Brides Bay
Haverfordwest
Narberth
St. Clears
Whitland
Llandilo
Llandeilo
Llandovery
Llangadock
Conwil Elvet
Ammanford
Pontardawe
Aberdare
Merthyr Tydfil
Brynamman
Black Mts.
Brecon Beacons
Usk
Crickhowell
Abergavenny
Monmouth
Blaenavon
Ebbw Vale
Tredegar
Rhymney
Brecon
Pontrilas
Ross
Peterstow
Grtcklowell
Cinderford
Forest of Dean
Newnham
Blakeney
Berkeley
Wotton under Edge
Thornbury
Chepstow
Tintern
Lydney
Severn
Severn Bridge
Avonmouth
Bristol
Portishead
Clevedon
Keynsham
Bath
Yeo Res.
Cardiff
Penarth
Barry
Cowbridge
Llandaff
Bridgend
Porthcawl
Nash Pt.
Aberthaw
Weston super Mare
Axbridge
Cheddar
Wells
Glastonbury
Shepton Mallet
Street
Sedgemoor
Bridgwater
Quantock Hills
Brendon Hills
Exmoor
Minehead
Bridgwater Bay
Burnham
Watchet
Dunkery Beacon
Dunster
Williton
Wiveliscombe
Taunton
Somerton
Langport
Ilminster
Chard
Crewkerne
Yeovil
Sherborne
Blackmoor
Yetminster
Milborne Port
Wincanton
Castle Cary
Ilchester
Martock
Blackdown Hills
Tone
Yeo
Foreland Pt.
Lynton
Porlock
Ilfracombe
Morte Pt.
Lundy
Parracombe
Braunton
Barnstaple
Bideford Bay
Westward Ho!
Appledore
Bideford
Hartland Pt.
Hartland
Clovelly
Great Torrington
Witheridge
Chulmleigh
Tiverton
Uffculme
Cullompton
Bradninch
Honiton
Crediton
Exe
Exeter
Topsham
Exmouth
Dawlish
Teignmouth
Torquay
Paignton
Brixham
Tor Bay
Totnes
Dartmouth
Kingswear
Kingsbridge
Salcombe
Start Bay
Start Pt.
Prawle Pt.
Bigbury Bay
Plymouth Sd.
Devonport
Plymouth
Saltash
St. Germans
Looe
E. Looe
Polperro
Lostwithiel
Fowey
St. Austell
St. Austell B.
Par
Newquay
St. Columb
Perranporth
St. Agnes
Newlyn East
St. Blazey
Truro
Redruth
St. Day
Camborne
Hayle
Penryn
St. Ives
St. Ives B.
Tregoney
Mevagissey
Grampound
Dodman Pt.
Eddystone L.t Ho.
Penzance
Marazion
Falmouth
Falmouth B.
St. Just
C. Cornwall
Longships L.t Ho.
Land's End
Sennen
Mounts Bay
Helston
Lizard
Lizard Pt.
Wolf Rock L.t Ho.
Tresco
St. Martins
St. Marys
Hugh Town
Bishop Rock L.t Ho.
St. Agnes
Isles of Scilly
Bude
Stratton
Holsworthy
Hatherleigh
Torridge
Tamar
Bradworthy
Merton
Whitstone
Okehampton
Boscastle
Tintagel Hd
Port Isaac
Camelford
Launceston
Dartmoor
Bodmin Moors
Bodmin
Wadebridge
Padstow
Petherick
Callington
Liskeard
Gunnislake
Tavistock
Princetown
Yelverton
Ashburton
Bovey Tracey
Newton Abbot
Moreton Hampstead
Lydford
Sourton
Yes Tor
Okement
Taw
Dart
Teign
Otter
Axe
Lyme Regis
Seaton
Sidmouth
Lyme Bay
Abbotsbury
Chesil Bank
Portland Isle
Portland
Beaminster
Maiden Newton
Dorchester
Purbeck
Wey
Aberystwyth
Llanrhystyd
Aberaeron
New Quay
Cardigan
Cardigan Bay
Aberdovey
Towyn
Machynlleth
Tal-y-bont
Plynlimon 2468ft.
Llanidloes
Newtown
Montgomery
Carno
Caersws
Welshpool
Pontesbury
Severn
Wye
Mynydd Bach
Ystwith
Devil's Bridge
Ystrad
Sarnau
Lampeter
Pumpsaint
Llandyssul
Newcastle Emlyn
Jeffreston
Fishguard
Fishguard B.
Strumble Hd
Newport
Cardigan
St. Dogmells
Crymmych Arms
Pencader
Maenclochog
Mynydd Eppynt
Talgarth
Hay on Wye
Hereford
Ledbury
Eardisley
Marden
Leominster
Bromyard
Pembridge
Kington
Weobley
Tenbury
Malvern
Great Malvern
Cinderford
Forest of Dean
Newnham
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Tredegar
Ebbw Vale
Blaenavon
Pontypool
Abersychan
Pontnewynydd
Cwmbran
Caerleon
Risca
Rhymney
Tredegar
Merthyr Tydfil
Dowlais
Aberdare
Mountain Ash
Pontypridd
Caerphilly
Llantrisant
Newport
Chepstow
Tintern
Lydney
Berkeley
Wotton under Edge
Thornbury
Severn
Severn Bridge
Avonmouth
Bristol
Portishead
Clevedon
Keynsham
Bath
Yeo Res.
Cardiff
Penarth
Barry
Cowbridge
Llandaff
Bridgend
Porthcawl
Nash Pt.
Aberthaw
Weston super Mare
Axbridge
Cheddar
Wells
Glastonbury
Shepton Mallet
Street
Sedgemoor
Bridgwater
Quantock Hills
Brendon Hills
Exmoor
Minehead
Bridgwater Bay
Burnham
Watchet
Dunkery Beacon
Dunster
Williton
Wiveliscombe
Taunton
Somerton
Langport
Ilminster
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Crewkerne
Yeovil
Sherborne
Blackmoor
Yetminster
Milborne Port
Wincanton
Castle Cary
Ilchester
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Blackdown Hills
Tone
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Foreland Pt.
Lynton
Porlock
Ilfracombe
Morte Pt.
Lundy
Parracombe
Braunton
Barnstaple
Bideford Bay
Westward Ho!
Appledore
Bideford
Hartland Pt.
Hartland
Clovelly
Great Torrington
Witheridge
Chulmleigh
Tiverton
Uffculme
Cullompton
Bradninch
Honiton
Crediton
Exe
Exeter
Topsham
Exmouth
Dawlish
Teignmouth
Torquay
Paignton
Brixham
Tor Bay
Totnes
Dartmouth
Kingswear
Kingsbridge
Salcombe
Start Bay
Start Pt.
Prawle Pt.
Bigbury Bay
Plymouth Sd.
Devonport
Plymouth
Saltash
St. Germans
Looe
E. Looe
Polperro
Lostwithiel
Fowey
St. Austell
St. Austell B.
Par
Newquay
St. Columb
Perranporth
St. Agnes
Newlyn East
St. Blazey
Truro
Redruth
St. Day
Camborne
Hayle
Penryn
St. Ives
St. Ives B.
Tregoney
Mevagissey
Grampound
Dodman Pt.
Eddystone L.t Ho.
Penzance
Marazion
Falmouth
Falmouth B.
St. Just
C. Cornwall
Longships L.t Ho.
Land's End
Sennen
Mounts Bay
Helston
Lizard
Lizard Pt.
Wolf Rock L.t Ho.
Tresco
St. Martins
St. Marys
Hugh Town
Bishop Rock L.t Ho.
St. Agnes
Isles of Scilly

CONIC PROJECTION

SCALE: 1 INCH TO 20 MILES

MAIN ROADS
RAILWAYS

Peninsulas, such as that of Cornwall and Devon and the two arms of Wales, together with the great estuaries of the Severn, the Thames and the Wash, give this map its unmistakable shape. From the Welsh mountains (Snowdon, 3,560 feet, is the highest peak in England and Wales) the land slopes eastwards to the Fens of East Anglia, parts of which are below sea level. Fanning out from Salisbury Plain, in the south, are the lines of chalk hills that become the Chilterns, in Oxfordshire and Buckinghamshire, the North Downs, in Surrey and Kent, and the South Downs, in Sussex. Across the centre of the map, from south-west to north-east, runs the limestone belt of the Cotswolds.

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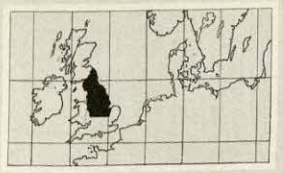
COUNTY BOUNDARIES

SCALE: 1 INCH TO 20 MILES



NORTH ENGLAND

Principal towns, with populations: LIVERPOOL: *712,040.* MANCHESTER: *625,250.* LEEDS: *508,000.* SHEFFIELD: *486,490.* HULL: *298,000.*

Prominent on this map are the Pennine Chain, and its two spurs forming the Lake District and the Cheviot Hills. From this central watershed flow the famous rivers of the north: the Tyne, Tees, Ouse and Trent to the east, and the Mersey to the west.

HEIGHTS IN FEET
3000
1500
600
300
150
SEA LEVEL
Depression
150
300
DEPTHS IN FEET

SCALE IN MILES
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

SCOTLAND
IRISH SEA
NORTH SEA
WALES
ENGLAND
MIDLOTHIAN
PEEBLES
BERWICK
SELKIRK
ROXBURGH
DUMFRIES
NORTHUMBERLAND
CUMBERLAND
WESTMORLAND
LAKE DISTRICT
DURHAM
NORTH RIDING
EAST RIDING
WEST RIDING
YORK
LANCASHIRE
CHESHIRE
FLINT
DENBIGH
STAFFORD
DERBY
NOTTINGHAM
LINCOLN
LINDSEY
KESTEVEN
HOLLAND
LEICESTER
RUTLAND
SHROPSHIRE
WORCESTER
WARWICK
NORTHAMPTON
HUNTINGDON AND PETERBOROUGH
CAMBRIDGE AND ISLE OF ELY
Yorkshire Moors
Yorkshire Wolds
Cleveland Hills
Pennine Chain
Cheviot Hills
Solway Firth
Liverpool Bay
The Wash
Fens
Holy I.
Farne Is.
Spurn Hd.
Flamborough Hd.
Bridlington Bay
Robin Hood's Bay
Morecambe Bay
Barrow Bay
Ingleborough
Whernside
Great Whernside
Pen-y-ghent
Scafell Pike 3210 ft.
Helvellyn 3118 ft.
Skiddaw
Cross Fell 2930 ft.
The Cheviot 2676
Hart Fell 2651 ft.
Howden Res.
Derwent Res.
Rudyard Res.
Alwen Res.
Berwyn Mts.
Cambrian Mts.
Lake Vyrnwy
Bala L.
Ullswater
Derwent W.
Wenlock Edge
Malvern Hills
Clent Hills
Forest of Arden
Cannock Chase
Forest of Charnwood
Forest of Rockingham
Forest of Galtres
Forest of Knaresborough
Forest of Wensleydale
Forest of Swaledale
Forest of Teesdale
Forest of Weardale
Forest of Lunedale
Forest of Stainmore
Forest of Bowland
Forest of Pendle
Forest of Trawden
Forest of Rossendale
Forest of Blackburn
Forest of Lonsdale
Forest of Whittlewood
Forest of Salcey
Forest of Yardley
Forest of Feckenham
Forest of Arrow
Forest of Dean
Forest of Wyre
Forest of Bleasdale
Forest of Bowland
Forest of Trawden
Forest of Rossendale
Forest of Blackburn
Forest of Lonsdale
Forest of Whittlewood
Forest of Salcey
Forest of Yardley
Forest of Feckenham
Forest of Arrow
Forest of Dean
Forest of Wyre
Forest of Bleasdale

ISLE OF MAN
Pt. of Ayre
Ramsey
Snaefell 2034 ft.
Peel
Laxey
Douglas
Port Erin
Castletown
Calf of Man
On the same scale

CONIC PROJECTION

SCALE: 1 INCH TO 20 MILES

COUNTY BOUNDARIES
MAIN ROADS
RAILWAYS

THE ARCTIC

The Asian and North American continents almost meet at the narrow and shallow Bering Strait, only 45 miles across. Between them lies the Arctic Ocean, nearly enclosed and always covered with drifting ice. Another outstanding feature of this map is the high plateau of Greenland, covered with ice up to 11,000 feet thick, yet reaching down to the same latitude as Oslo and Leningrad.

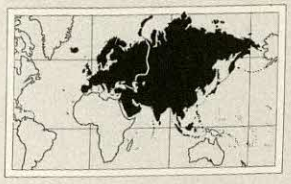
HEIGHTS IN FEET
12,000
6000
3000
1500
600
SEA LEVEL
Depression
600
3000
6000
12,000
DEPTHS IN FEET

SCALE IN MILES
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000

LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

INTERNATIONAL BOUNDARIES

SCALE: 1 INCH TO 474 MILES



EURASIA

This vast land mass—the largest in the world—covers more than a quarter of the Earth's land surface and is inhabited by over three-quarters of its population. Across the whole area, from the Pyrénées to the backbone of W. Malaysia, runs an almost continuous belt of fold mountains, of which the highest, the Himalayas (Everest,

HEIGHTS IN FEET

18,000
12,000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

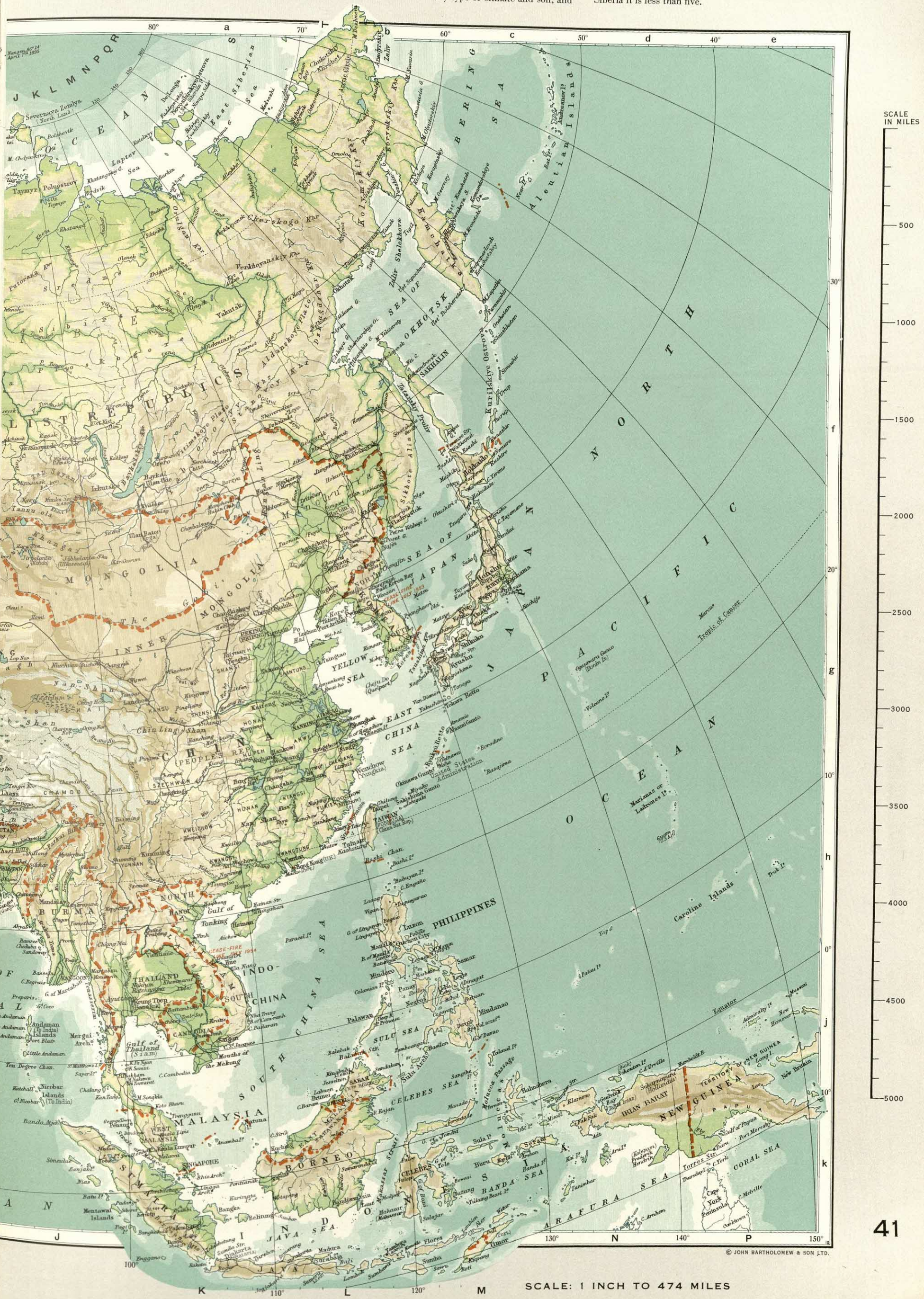
Longitude East of Greenwich

LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

SCALE: 1 INCH TO 474 MILES

INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

29,028 feet), form a central branch. There is also an undersea range fringing the east as a chain of islands from the Aleutians south to the Philippines. Contrasting with the central highlands are the immense low-lying plains of northern Russia, while in between lies a great zone of desert stretching from Mongolia to Arabia. From the frozen tundra of the Arctic to the dense rain forests of W. Malaysia, there is every type of climate and soil, and for climatic reasons the population centres are mainly in the west, south and south-east. In India, for instance, the average population density is 392 per square mile; in Siberia it is less than five.


SCALE IN MILES
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
80°
70°
60°
50°
40°
130°
140°
150°
100°
110°
120°
a
b
c
d
e
f
g
h
j
k
J
K
L
M
N
P
30°
20°
10°
0°
Severnaya Zemlya (North Land)
Taymyr Poluostrov
Laptev Sea
East Siberian Sea
ARCTIC OCEAN
BERING SEA
Aleutian Islands
Kuriskiye Ostrova
SEA OF OKHOTSK
SAKHALIN
SEA OF JAPAN
NORTH PACIFIC OCEAN
Caroline Islands
Marianas or Ladrones Is.
Marcus
Tropic of Cancer
Equator
RUSSIAN REPUBLICS
Verkhoyanskiy Khr.
Cherskogo Khr.
Kolymskiy Khr.
Anadyrskiy Khr.
Kamchatka Pen.
Aldanskoye Ploskogorye
Stanovoy Khr.
Yablonovyy Khr.
Vitimskoye Ploskogorye
Lake Baykal
Sea of Okhotsk
Lena R.
Yakutsk
Irkutsk
Ulan Ude
Chita
Khabarovsk
Petropavlovsk
Yuzhno Sakhalinsk
Hokkaido
Honshu
Tokyo
Yokohama
Nagoya
Osaka
Kyushu
Nagasaki
Sapporo
MONGOLIA
Gobi
Khan Sar
Ulan Bator
Tsinghai
Nan Shan
Chin Ling Shan
INNER MONGOLIA
CHINA (PEOPLE'S REP.)
Lop Nor
Kuchuan (Suchow)
Changyeh
Lanchow
Kaifeng
Sian
Hankow
Nanking
Shanghai
Wenchow (Yungkia)
Foochow (Minhow)
Taipei
TAIWAN (FORMOSA) (Chinese Nat. Rep.)
Okinawa Gunto
Miyako Gunto
Sakishima Gunto
United States Administration
Ryukyu Retto
Iwo Jima
Bonin Is.
Volcano Is.
Yap
Palau Is.
Truk Is.
Babuyan Is.
Bashi Chan.
Bashi Is.
Hong Kong (UK)
Canton
Kowloon
Swatow
Amoy
Fuchow
Wuchow
Kweilin
Kweiyang
Kunming
Yunnan
Szechwan
Chungking
Chengtu
Tengri Nor
Lhasa
Chamdo
Tsangpo
Brahmaputra R.
Khasi Hills
Shillong
Sikhar
Mytkyina
Bhamo
Myitkyina
Lashio
Kengtung
Mandalay
Prome
Pagan
Yamethin
Akyab
Ramree
Cheduba
Sandoway
Bassein
Rangoon
Martaban
Moulmein
Gulf of Martaban
Tenasserim
Chiang Mai
Vientiane
Nakhon Phanom
Khemmarat
Ubon
Ayuthia
Bangkok
Krung Thep
Battambang
Tonle Sap
Angkor
Kratie
Phnom Penh
Saigon
Mouths of the Mekong
Gulf of Thailand (Siam)
Andaman Islands (To India)
Port Blair
Little Andaman
Ten Degree Chan.
Nicobar Islands (To India)
Mergui Archo.
Sayer I.
Chalang
Kan Tang
Koto Bharu
Trengganu
Kuantan
Penang
Georgetown
Sumatra
Medan
Belawan
Malacca
Kuala Lumpur
Singapore
Rhio Archo.
Lingga Archo.
Pontianak
Tanjungpinang
Mentawai Islands
Siberut
Padang
Bengkulu
Palembang
Bangka
Belitung
Sunda Str.
Jakarta
Bandjarmasin
Samarinda
Tarakan
Balikpapan
Pare Pare
Makassar (Macassar)
Celebes Sea
Sulu Sea
Sulu Archo.
Jesselton
Brunei
Labuan
Kuching
Sarawak
Sabah
Balabak Str.
Palawan
Mindoro
Luzon
Manila
Quezon City
Baguio
Legaspi
Samar
Leyte
Panay
Negros
Cebu
Bohol
Butuan
Mindanao
Davao
Zamboanga
Basilan
Talaud Is.
Halmahera
Moluccas Passage
Ternate
Manado
Gorontalo
Celebes
Sula Is.
Buru
Ambon
Seram
Banda Is.
Banda Sea
Kai Is.
Aru Is.
Tanimbar
Arafura Sea
Timor
Flores
Sumba
Kupang
Java Sea
Java
Jakarta
Surabaja
Madura
Bali
Lombok
Sumbawa
Enggano
Indian Ocean
Andaman Sea
South China Sea
Gulf of Tonking
Hanoi
Haiphong
Hainan
Paracel Is.
Philippines
Irian Barat
New Guinea
Papua
Territory of New Guinea
Gulf of Papua
Port Moresby
Coral Sea
Torres Str.
Cape York Peninsula
Thursday I.
Admiralty Is.
New Britain
New Hanover
Long I.
Humboldt B.
Geelvink Bay
Schouten Is.
C. d'Orville
Sukarnapura (Hollandia)
Klamono
Fak Fak
Misool
Adi
Aru Is.
Arnhem
Melville
Groote Eylandt
Gulf of Carpentaria
Darwin
Timor Sea
Ashmore and Cartier Is. (Australia)
Australia
Great Victoria Desert
Great Sandy Desert
Gibson Desert
Great Australian Bight
Nullarbor Plain
Eyre Pen.
Spencer Gulf
Lake Eyre
Lake Torrens
Lake Frome
Flinders Ra.
Murray R.
Darling R.
Murrumbidgee R.
Adelaide
Port Augusta
Port Pirie
Whyalla
Broken Hill
Mildura
Swan Hill
Wagga Wagga
Albury
Port Lincoln
Ceduna
Kalgoorlie
Coolgardie
Esperance
Albany
Perth
Fremantle
Geraldton
Carnarvon
Shark Bay
Exmouth Gulf
North West Cape
Onslow
Dampier
Port Hedland
Broome
Derby
Wyndham
Kimberley Plateau
Ord R.
Lake Argyle
Ashburton R.
Fortescue R.
Hamersley Ra.
Pilbara
Barrow I.
Rottnest I.
Swan R.
Darling Ra.
Stirling Ra.
Great Dividing Range
Blue Mts.
Sydney
Newcastle
Wollongong
Canberra
Snowy Mts.
Mt. Kosciusko
Gippsland
Melbourne
Port Phillip Bay
Geelong
Ballarat
Bendigo
Mt. Gambier
Hobart
Launceston
Tasmania
Bass Str.
Flinders I.
King I.
Tasman Sea
Lord Howe I.
Norfolk I.
New Zealand
Auckland
Wellington
Christchurch
Dunedin
Cook Str.
Foveaux Str.
Stewart I.
Chatham Is.
Kermadec Is.
Tonga Is.
Fiji Is.
Suva
Viti Levu
Vanua Levu
Samoa Is.
Apia
Tahiti
Society Is.
Marquesas Is.
Tuamotu Archo.
Easter I.
Pitcairn I.
Gambier Is.
Cook Is.
Rarotonga
Tubuai Is.
Austral Is.
Line Is.
Christmas I.
Phoenix Is.
Ellice Is.
Gilbert Is.
Tarawa
Nauru I.
Ocean I.
Marshall Is.
Kwajalein
Eniwetok
Bikini
Wake I.
Johnston I.
Midway Is.
Hawaiian Is.
Honolulu
Oahu
Maui
Hawaii
Kauai
Niihau
Pearl Harbor
Aleutian Is.
Andreanof Is.
Attu I.
Kiska I.
Adak I.
Unalaska I.
Kodiak I.
Alaska Pen.
Aleutian Trench
Kamchatka Trench
Japan Trench
Philippine Trench
Mariana Trench
Tonga Trench
Kermadec Trench
Peru-Chile Trench
Middle America Trench
Aleutian Trench
Mid-Pacific Mts.
Hawaiian Ridge
Emperor Seas
Shatskiy Rise
Nazca Ridge
Chile Ridge
Albatross Plateau
Tuscarora Deep
Kuril Trench
Japan Trench
Ryukyu Trench
Philippine Trench
Mariana Trench
Yap Trench
Tonga Trench
Kermadec Trench
Peru-Chile Trench
Middle America Trench
Aleutian Trench
Mid-Pacific Mts.
Hawaiian Ridge
Emperor Seas
Shatskiy Rise
Nazca Ridge
Chile Ridge
Albatross Plateau
Tuscarora Deep
CEASE-FIRE LINE JULY 1953
CEASE-FIRE LINE JULY 1954
DEMILITARIZED ZONE
PEKING (PEIPING)
Tientsin
Taiyuan
Shansi
Shantung
Shensi
Honan
Hupeh
Anhwei
Kiangsu
Chekiang
Kiangsi
Fukien
Kwangtung
Kwangsi
Yunnan
Kweichow
Tibet
Sinkiang
Mongolia
Manchuria
Korea
Pyongyang
Seoul
Inchon
Pusan
Taegu
Kwangju
Taejon
Wonsan
Hungnam
Chongjin
Rashin
Najin
Port Arthur
Dairen
Antung
Yalu R.
Tumen R.
Changchun
Kirin
Harbin
Mukden
Anshan
Fushun
Liaoyang
Chinchow
Hulutao
Yingkow
Tsingtao
Tsinan
Chengchow
Sian
Lanchow
Sinkiang
Urumchi
Kashgar
Yarkand
Khotan
Aksai Chin
Ladakh
Leh
Srinagar
Jammu
Kashmir
Pakistan
Karachi
Hyderabad
Indus R.
Punjab
Delhi
Agra
Kanpur
Lucknow
Allahabad
Varanasi
Patna
Gaya
Ranchi
Jamshedpur
Calcutta
Howrah
Hooghly R.
Ganges R.
Brahmaputra R.
Assam
Nagaland
Manipur
Imphal
Kohima
Dimapur
Tripura
Agartala
Chittagong
Dacca
Khulna
Jessore
Rajshahi
Bogra
Rangpur
Dinajpur
Siliguri
Darjeeling
Gangtok
Sikkim
Bhutan
Nepal
Kathmandu
Mt. Everest
Kanchenjunga
Annapurna
Dhaulagiri
Himalayas
Karakoram Ra.
Hindu Kush
Pamirs
Afghanistan
Kabul
Kandahar
Herat
Iran
Persian Gulf
Gulf of Oman
Strait of Hormuz
Iraq
Basra
Baghdad
Euphrates R.
Tigris R.
Kuwait
Saudi Arabia
Riyadh
Mecca
Jeddah
Medina
Red Sea
Gulf of Aden
Aden
Yemen
Sana
Hodeida
Muscat and Oman
Oman
Trucial Oman
Abu Dhabi
Dubai
Sharjah
Qatar
Bahrain
Rub' al Khali
Empty Quarter
Arabian Sea
Arabian Peninsula
Socotra I.
Somalia
Ethiopia
Addis Ababa
Asmara
Massawa
Eritrea
Sudan
Khartoum
Port Sudan
Egypt
Cairo
Alexandria
Suez
Suez Canal
Nile R.
Aswan
Aswan High Dam
Lake Nasser
Libya
Tripoli
Benghazi
Sirte
Gulf of Sirte
Algeria
Tunisia
Tunis
Sfax
Gabes
Gulf of Gabes
Chott el Djerid
Chott el Fedjadj
Sahara
Tibesti Mts.
Ennedi Plateau
Chad
Lake Chad
Niger
Nigeria
Lagos
Ibadan
Benin
Togo
Ghana
Accra
Kumasi
Ivory Coast
Abidjan
Liberia
Monrovia
Sierra Leone
Freetown
Guinea
Conakry
Portuguese Guinea
Bissau
Gambia
Banjul
Senegal
Dakar
Cape Verde
Cape Verde Is.
Mauritania
Nouakchott
Spanish Sahara
Morocco
Rabat
Casablanca
Fez
Tangier
Gibraltar
Strait of Gibraltar
Spain
Portugal
Lisbon
Madrid
Barcelona
Balearic Is.
Majorca
Minorca
Ibiza
Sardinia
Corsica
Mediterranean Sea
Italy
Rome
Naples
Sicily
Malta
Greece
Athens
Crete
Cyprus
Nicosia
Turkey
Ankara
Istanbul
Black Sea
Bosporus
Dardanelles
Sea of Marmara
Aegean Sea
Lebanon
Beirut
Syria
Damascus
Israel
Jerusalem
Tel Aviv
Haifa
Jordan
Amman
Dead Sea
Sea of Galilee
Jordan R.
Gaza
Sinai
Suez Canal
Red Sea
Gulf of Aqaba
Aqaba
Gulf of Suez
Port Said
Ismailia
Nile Delta
Alexandria
Cairo
Suez
Aswan
Lake Nasser
Libyan Desert
Western Desert
Eastern Desert
Nubian Desert
Kalahari Desert
Namib Desert
Orange R.
Cape Town
Cape of Good Hope
Cape Agulhas
Table Mt.
Simonstown
False Bay
Stellenbosch
Paarl
Worcester
Robertson
Swellendam
Mossel Bay
George
Knysna
Plettenberg Bay
Port Elizabeth
Algoa Bay
Uitenhage
Grahamstown
East London
Kei R.
Transkei
Umtata
Durban
Natal
Pietermaritzburg
Drakensberg
Lesotho
Maseru
Orange Free State
Bloemfontein
Kimberley
Transvaal
Pretoria
Johannesburg
Witwatersrand
Soweto
Vereeniging
Vaal R.
Limpopo R.
Kruger National Park
Rhodesia
Salisbury
Bulawayo
Victoria Falls
Zambezi R.
Kariba Dam
Lake Kariba
Zambia
Lusaka
Kafue R.
Copperbelt
Ndola
Kitwe
Luanshya
Mufulira
Chingola
Katanga
Shaba
Lubumbashi
Kolwezi
Zaire
Kinshasa
Zaire R.
Matadi
Boma
Cabinda
Angola
Luanda
Benguela
Lobito
Moçâmedes
Namibia
Windhoek
Walvis Bay
Swakopmund
Lüderitz
Botswana
Gaborone
Francistown
Lobatse
Okavango Swamp
Okavango R.
Caprivi Strip
Malawi
Lilongwe
Blantyre
Lake Malawi
Shire R.
Zambezi R.
Mozambique
Maputo
Beira
Quelimane
Nacala
Tete
Mozambique Channel
Madagascar
Antananarivo
Toamasina
Antsirabe
Mahajanga
Toliara
Comoro Is.
Moroni
Mauritius
Port Louis
Réunion
St. Denis
Seychelles
Victoria
Mahé
Aldabra Is.
Farquhar Is.
Amirante Is.
Chagos Archo.
Diego Garcia
Maldive Is.
Male
Laccadive Is.
Kavaratti
Minicoy I.
Andaman Islands
Port Blair
Nicobar Islands
Car Nicobar
Great Nicobar
Little Andaman
Ten Degree Chan.
Andaman Sea
Bay of Bengal
Sri Lanka
Colombo
Trincomalee
Jaffna
Kandy
Galle
Adam's Bridge
Palk Strait
Gulf of Mannar
Pamban
Rameswaram
Madras
Pondicherry
Cuddalore
Tiruchirapalli
Madurai
Tuticorin
Cape Comorin
Coromandel Coast
Malabar Coast
Nilgiri Hills
Ootacamund
Coimbatore
Salem
Mysore
Bangalore
Hyderabad
Secunderabad
Warangal
Nagpur
Bhopal
Indore
Ahmedabad
Surat
Bombay
Poona
Goa
Panaji
Mangalore
Cochin
Trivandrum
Quilon
Kozhikode
Calicut
Kannur
Kerala
Karnataka
Andhra Pradesh
Tamil Nadu
Maharashtra
Gujarat
Rajasthan
Jaipur
Jodhpur
Udaipur
Kota
Ajmer
Bikaner
Thar Desert
Jaisalmer
Barmer
Kutch
Gulf of Kutch
Kathiawar Pen.
Rann of Kutch
Saurashtra
Diu
Dwarka
Porbandar
Jamnagar
Rajkot
Bhavnagar
Gulf of Cambay
Cambay
Vadodara
Gandhinagar
Dangs
Nasik
Aurangabad
Ajanta Caves
Ellora Caves
Daman
Silvassa
Dadra and Nagar Haveli
Chandigarh
Haryana
Punjab
Himachal Pradesh
Shimla
Kullu
Manali
Rohtang Pass
Spiti
Kinnaur
Uttar Pradesh
Meerut
Ghaziabad
Aligarh
Mathura
Bareilly
Moradabad
Rampur
Saharanpur
Haridwar
Rishikesh
Dehra Dun
Mussoorie
Nainital
Almora
Pithoragarh
Uttarkashi
Gangotri
Gaumukh
Badrinath
Kedarnath
Garhwal
Kumaon
Tehri Garhwal
Chamoli
Pauri Garhwal
Rudraprayag
Uttarkashi
Tehri
Gangotri Glacier
Siachen Glacier
Nanga Parbat
K2
Gilgit
Skardu
Hunza
Baltistan
Ladakh
Leh
Kargil
Zanskar
Zanskar Ra.
Indus R.
Sutlej R.
Beas R.
Ravi R.
Chenab R.
Jhelum R.
Jhelum
Rawalpindi
Islamabad
Peshawar
Khyber Pass
Khyber Pakhtunkhwa
Federally Administered Tribal Areas
Waziristan
Quetta
Baluchistan
Makran
Gwadar
Pasni
Ormara
Las Bela
Sibi
Zhob
Loralai
Khuzdar
Kalat
Mekran Coast Ra.
Hingol R.
Dasht R.
Bolan Pass
Khojak Pass
Chaman
Afghan Border
Durand Line
Helmand R.
Helmand Valley
Kandahar
Lashkar Gah
Zaranj
Farah
Herat
Chagai Hills
Ras Koh
Kharan Desert
Registan Desert
Dasht-e-Kavir
Dasht-e-Lut
Kerman
Yazd
Isfahan
Shiraz
Persepolis
Bandar Abbas
Qeshm I.
Kish I.
Abadan
Khorramshahr
Shatt al Arab
Karun R.
Ahvaz
Kermanshah
Hamadan
Tehran
Elburz Mts.
Mt. Damavand
Caspian Sea
Baku
Azerbaijan
Armenia
Yerevan
Georgia
Tbilisi
Batumi
Black Sea
Trabzon
Erzurum
Kars
Lake Van
Lake Urmia
Tabriz
Mosul
Kirkuk
Tigris R.
Euphrates R.
Baghdad
Karbala
Najaf
Basra
Shatt al Arab
Kuwait
Saudi Arabia
Neutral Zone
Rub' al Khali
Empty Quarter
Riyadh
Mecca
Jeddah
Medina
Red Sea
Gulf of Aden
Aden
Yemen
Sana
Hodeida
Muscat and Oman
Oman
Trucial Oman
Abu Dhabi
Dubai
Sharjah
Qatar
Bahrain

EUROPE

Itself a peninsula of Asia, Europe is made up of smaller peninsulas such as Scandinavia, Iberia, Italy and Greece. Characteristic of these countries are north-south backbones of mountains, some of them offshoots of the great chain of fold mountains that winds across the entire continent from the Pyrénées to the Black Sea.

HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
SEA LEVEL
Depression
300
600
1500
3000
6000
9000
DEPTHS IN FEET

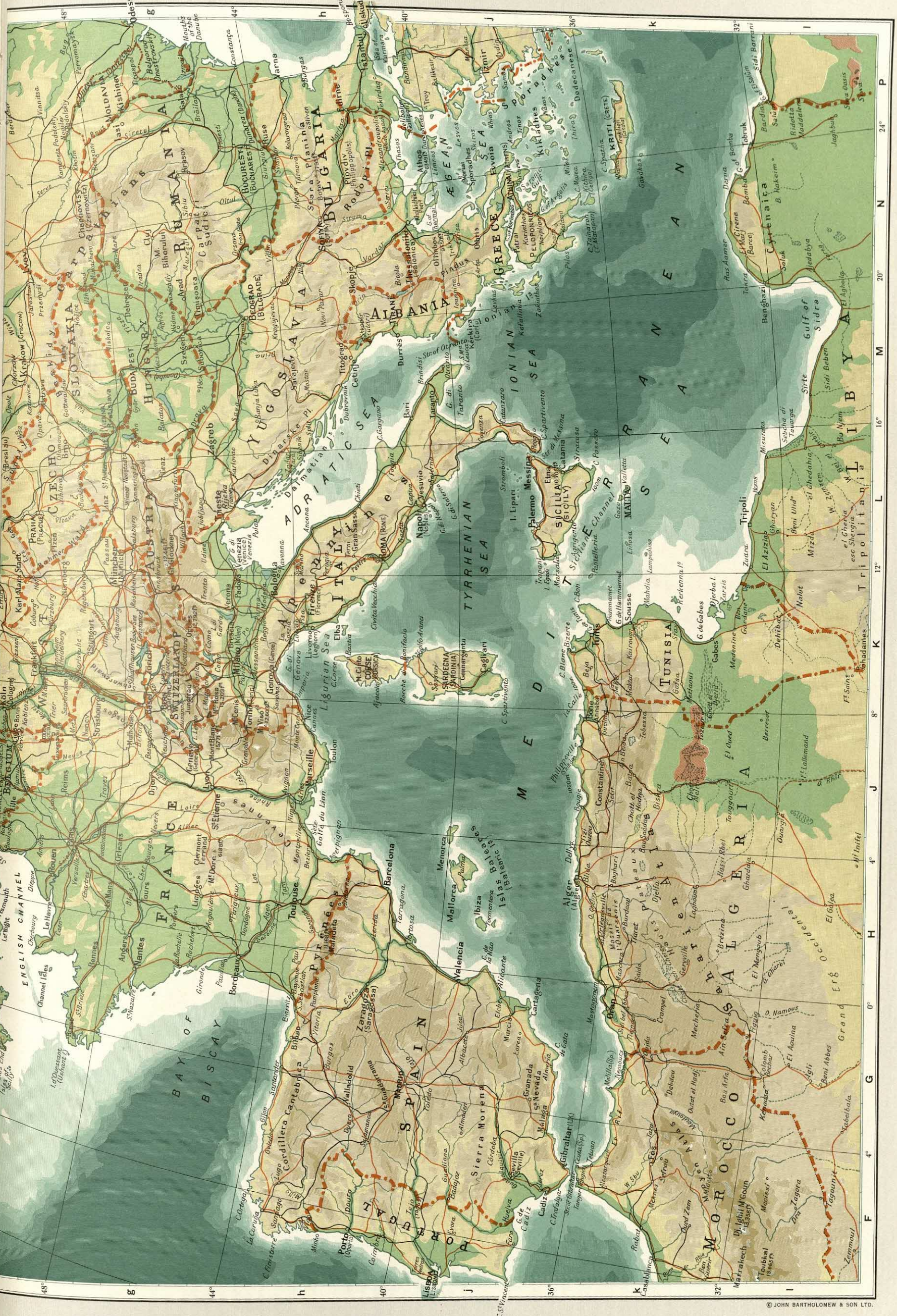
BONNE'S PROJECTION

SCALE: 1 INCH TO 158 MILES

MAIN ROADS
RAILWAYS

This east-west axis separates the other two major features of the map: the broad North European Plain stretching from Ireland to Russia, and the two basins of the Mediterranean, each as deep as the mountains are high.

This relatively small continent contains many striking geographical contrasts which are paralleled by the diversity of its peoples and cultures, among them the great Greek and Roman civilizations from which the whole world has derived so much. The maritime outlook prevalent in the western areas of Europe led to the great explorations that took these people and their cultures to the farthest corners of the Earth.


SCALE IN MILES
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
EUROPE
ASIA
AFRICA
NORTH EUROPEAN PLAIN
Carpathians
Alps
Pyrenees
Apennines
Atlas Mts
Sierra Morena
Cordillera Cantabrica
Sistema Central
Sistema Iberico
Carpati Meridionali
Balkan Mts
Rhodope Mts
Dinaric Alps
Taurus Mts
Anti-Lebanon
Lebanon Mts
Jordan R.
Dead Sea
Sea of Galilee
Nile R.
Qattara Depression
Libyan Desert
Great Sand Sea
Great Erg
Hamada el Hamra
Tibesti Mts
Ennedi Plateau
Ahaggar Mts
Tassili n'Ajjer
Tanezrouft
Adrar des Iforas
Air Mts
Hoggar
Mauritanian Plateau
Tagant Plateau
Adrar Mts
Fouta Djallon
Guinea Highlands
Jos Plateau
Cameroon Mts
Ethiopian Highlands
Lake Tana
Blue Nile R.
Lake Victoria
Lake Albert
Lake Kyoga
Lake Rudolf
Lake Turkana
Mt Kenya
Kilimanjaro
Mt Elgon
Ruwenzori Mts
Virunga Mts
Lake Kivu
Lake Tanganyika
Lake Mweru
Lake Bangweulu
Lake Nyasa
Mt Mlanje
Mt Gorongosa
Mt Inyangani
Mt Nyangani
Mt Moco
Mt Namuli
Mt Mulanje
Mt Chiperone
Mt Binga
Mt Vumba
Mt Selinda
Mt Darwin
Mt Hampden
Mt Wedza
Mt Chimanimani
Mt Inselberg
Mt Gilfillan
Mt Buhwa
Mt Silinda
Mt Mwenezi
Mt Mtao
Mt Mtsilikazi
Mt Mtoko
Mt Mtsilikazi
Mt Mtoko
Mt Mtsilikazi
Mt Mtoko

THE LOW COUNTRIES

BELGIUM, NETHERLANDS, LUXEMBOURG

BELGIUM AREA: *11,779 sq. miles.* POPULATION: *9,528,000.* CAPITAL: *Brussels.* CURRENCY: *100 centimes=1 franc.*

NETHERLANDS AREA: *12,978 sq. miles.* POPULATION: *12,455,000.* CAPITAL: *Amsterdam.* (GOVT: *The Hague.*) CURRENCY: *100 cents=1 guilder.*

LUXEMBOURG AREA: *998 sq. miles.* POPULATION: *335,000.* CAPITAL: *Luxembourg.* CURRENCY: *100 centimes=1 franc.*

HEIGHTS IN FEET
1500
600
300
60
SEA LEVEL
Depression
80
DEPTHS IN FEET

SCALE IN MILES
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

44

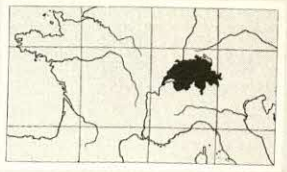
CONIC PROJECTION

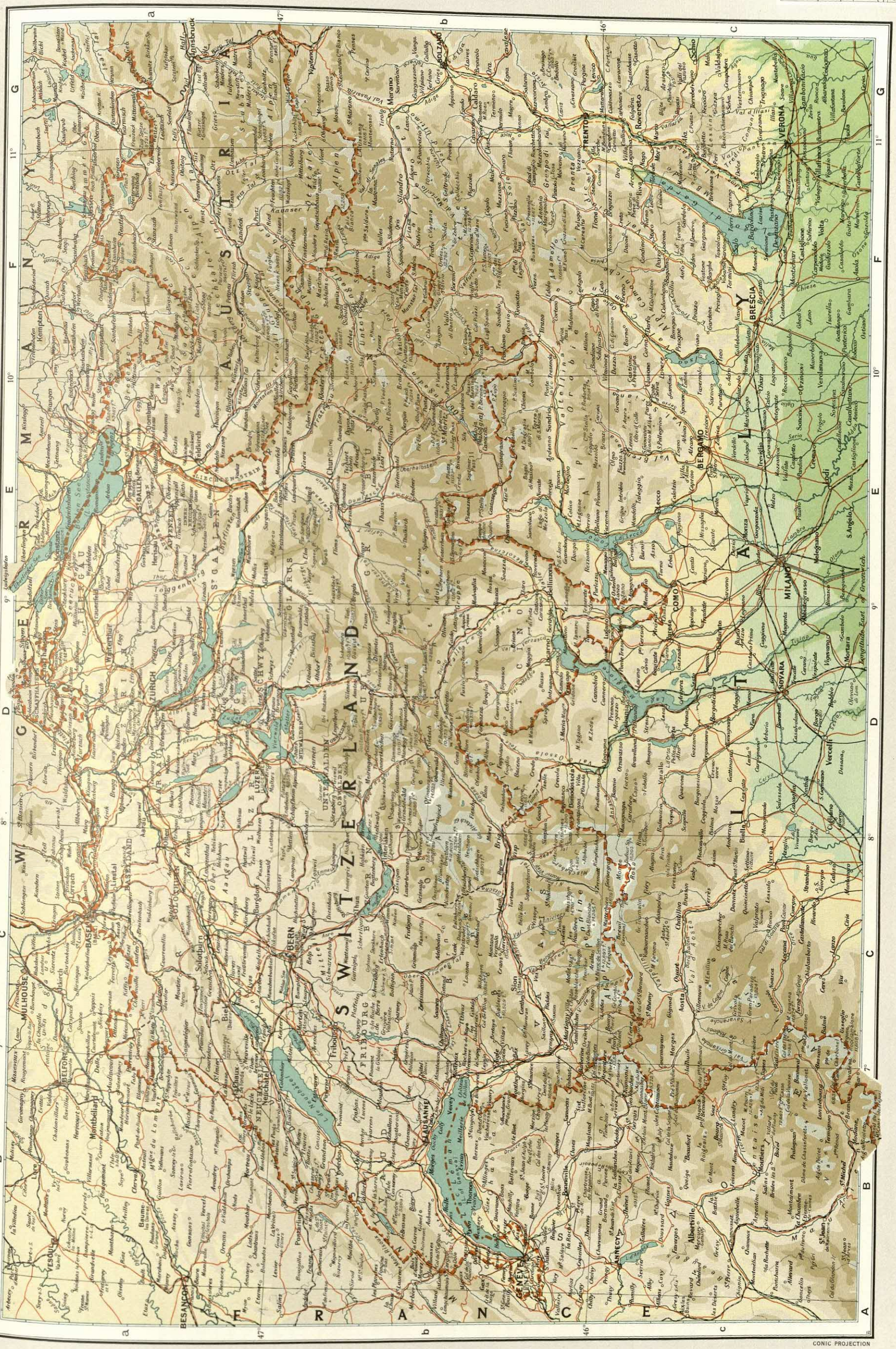
SCALE: 1 INCH TO 20 MILES

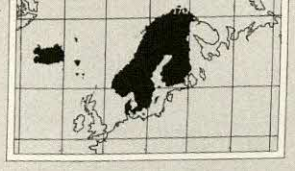
INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

SWITZERLAND

AREA: *15,941 sq. miles.* POPULATION: *5,945,000.* CAPITAL: *Berne.* CURRENCY: *100 centimes=1 franc.* The Swiss Alps, rising to 15,203 feet (Monte Rosa), cover more than half of Switzerland, making it the most mountainous country in Europe. The country is divided into three belts, running north-east to south-west, by the broad valley of the Aare and the narrower one of the Upper Rhein and Upper Rhône.







SCANDINAVIA AND BALTIC

NORWAY, SWEDEN, DENMARK, FINLAND, WITH ICELAND

NORWAY AREA: *125,198 sq. miles.* POPULATION: *3,753,000*
CAPITAL: *Oslo.* CURRENCY: *100 öre=1 krone.*
SWEDEN AREA *173,634 sq. miles.* POPULATION: *7,808,000.*
CAPITAL: *Stockholm.* CURRENCY: *100 öre=1 krona.*
From the backbone of mountains shared by Norway

HEIGHTS IN FEET
6000
3000
1500
600
300
SEA LEVEL
150
600
6000
DEPTHS IN FEET

THE FAEROES (FÆRÖERNE) (To Den.)

ICELAND
On the same scale

On the same scale

ATLANTIC OCEAN

Arctic Circle

CONIC PROJECTION

SCALE: 1 INCH TO 71 MILES

MAIN ROADS
RAILWAYS

and Sweden come rivers that feed the many lakes on both sides. Norway continues as a high, rugged plateau, falling abruptly to a coastline broken by fjords and islands. Sweden, low-lying in the south, is better suited to cultivation and settlement.

DENMARK AREA: *16,619 sq. miles.* POPULATION: *4,797,000.* CAPITAL: *Copenhagen.* CURRENCY: *100 øre=1 krone.* Smallest and lowest-lying of the Scandinavian countries, Denmark rarely rises more than 500 feet above sea level. Besides the peninsula of Jutland, it comprises the four main islands of Zealand, Fünen, Lolland and Falster.

FINLAND AREA: *130,119 sq. miles.* POPULATION: *4,639,000.* CAPITAL: *Helsinki.* CURRENCY: *100 pennis=1 markka.*

ICELAND AREA: *39,768 sq. miles.* POPULATION: *195,000.* CAPITAL: *Reykjavik.* CURRENCY: *100 aurar=1 króna.*

SCALE IN MILES

50 100 150 200 250 300 350 400 450 500 550 600 650 700 750

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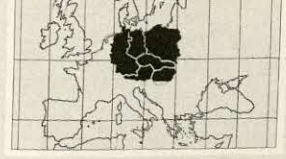
INTERNATIONAL BOUNDARIES

STATE BOUNDARIES

SCALE: 1 INCH TO 71 MILES



CENTRAL EUROPE

GERMANY, POLAND, CZECHOSLOVAKIA, AUSTRIA

GERMANY (Fed. Republic) AREA: *95,913 sq. miles.* POPULATION: *59,676,000.* CAPITAL: *Bonn.* CURRENCY: *100 Pfennige=1 Deutsche Mark.*
EAST GERMANY AREA: *41,634 sq. miles.* POPULATION: *17,067,000.* CAPITAL: *East Berlin.* CURRENCY: *100 Pfennige=1 DM Ost.*
Germany is highest in the south, where the Bavarian Alps form a bound-

HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
300
SEA LEVEL
Depression
160
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 47 MILES

MAIN ROADS
RAILWAYS

ary with Austria. Lower mountains in the centre give way to the North German Plain, now divided between East and West Germany. Except for the Danube, all important rivers—the Rhein, Ems, Weser, Elbe and Oder—follow this northwards slope, flowing into the Baltic or North Sea.

POLAND AREA: *120,664 sq. miles.* POPULATION: *31,698,000.* CAPITAL: *Warsaw.* CURRENCY: *100 groszy=1 zloty.* Except in the south, where it shares the Carpathians with Czechoslovakia, Poland is a vast plain connecting north Germany with the Russian steppes.

CZECHOSLOVAKIA AREA: *49,354 sq. miles.* POPULATION: *14,240,000.* CAPITAL: *Prague.* CURRENCY: *100 haler=1 koruna.*

AUSTRIA AREA: *32,374 sq. miles.* POPULATION: *7,290,000.* CAPITAL: *Vienna.* CURRENCY: *100 Groschen=1 Schilling.*

16°
G
18°
H
20°
J
22°
K
24°
L
26°
a
b
c
d
e
54°
52°
50°
48°
46°
SCALE IN MILES
50
100
150
200
250
300
350
400
450
500
Gulf of Danzig
Gdańsk (Danzig)
Gdynia
Kaliningrad (Königsberg)
Elbląg (Elbing)
Malbork (Marienburg)
Słupsk (Stolp)
Koszalin (Köslin)
Szczecinek (Neustettin)
Bydgoszcz (Bromberg)
Toruń (Thorn)
Grudziądz
Inowrocław
Włocławek
Płock
Gniezno
Poznań (Posen)
Gorzów Wielkopolski (Landsberg)
Kalisz
Konin
Leszno
Zielona Góra
Łódź
Pabianice
Zgierz
Zduńska Wola
Piotrków Trybunalski
Tomaszów Mazowiecki
Skierniewice
Sochaczew
Żyrardów
Otwock
Minsk Mazowiecki
Siedlce
Radom
Garwolin
Puławy
Lublin
Chełm
Biała Podlaska
Brest (Brest-Litovsk)
Kovel
Włodava
Parczew
Łuków
Łomaży
Radzyn Podlaski
Międzyrzec Podlaski
Sokołów Podlaska
Janów Podlaski
Węgrów
Mińsk Mazowiecki
Wołomin
Stanisławów
Praga
WARSZAWA (WARSAW)
Nasielsk
Pułtusk
Ostrów Mazowiecki
Ciechanów
Mława
Przasnysz
Maków
Mielnik
Siemiatycze
Kleszczele
Bielsk Podl.
Bransk
Czyżewo
Łapy
Białystok (Belostok)
Łomża
Ostrołęka
Wysokie Mazowieckie
Wasilishki
Augustów
Sejny
Suwałki
Filipów
Goldap
Gusev
Nesterov
Vilkaviškis
Kapsukas (Marijampole)
Kalvarija
Alytus
Lazdijai
Varena
Druskininkai
Lida
Grodno
Ozery
Skidel
Dyatlovo
Mosty
Sokółka
Knyszyn
Kolno
Łyse
Wielbark
Nidzica
Olsztyn
Biskupiec
Barczewo
Lidzbark
Ketrzyn
Giżycko
Olecko
Węgorzewo
Ełk
Pisz
Szczytno
Mrągowo
Orzysz
Ostróda
Iława
Tczew
Starogard
Kwidzyn
Miłomłyn
Braniewo
Frombork
Elbląg
Nowy Port
Puck
Hel
Władysławowo
Wejherowo
Rumia
Reda
Wejherowo
Lębork
Ustka
Słupsk
Darłowo
Sławno
Bytów
Miastko
Białogard
Koszalin
Kołobrzeg
Gryfice
Łobez
Drawsko
Szczecinek
Człopa
Wałcz
Chodzież
Piła
Nakło
Bydgoszcz
Toruń
Chełmno
Brodnica
Iława
Ostróda
Olsztyn
Pasym
Szczytno
Ełk
Mrągowo
Giżycko
Węgorzewo
Gołdap
Suwałki
Sejny
Lipsk

IBERIAN PENINSULA

SPAIN, PORTUGAL

SPAIN AREA: *194,883 sq. miles.* POPULATION: *31,871,000.* CAPITAL: *Madrid.* CURRENCY: *100 céntimos=1 peseta.*
PORTUGAL AREA: *35,453 sq. miles.* POPULATION: *9,218,000.* CAPITAL: *Lisbon.* CURRENCY: *100 centavos=1 escudo.* Roughly pentagonal in shape,

HEIGHTS IN FEET
9000
6000
3000
1500
600
300
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 47 MILES

MAIN ROADS
RAILWAYS

the Iberian peninsula is divided between Spain, Portugal and the small state of Andorra. Seven-eighths of it is bordered by sea, the remainder by the high wall of the Pyrénées, which separates it from France and the land mass of Europe. Southwards, only eight and a half miles away at its nearest point, lies the continent of Africa. More than half the peninsula is covered by the Meseta, a high central plateau which is surrounded and traversed by mountain ranges. The rivers, notably the Tagus, flow mainly westwards. The four main islands of the Balearic group form a province of Spain; the Canary Islands are another province.

Golfe du Lion (Gulf of Lions)
MEDITERRANEAN SEA
Golfo de Valencia
ISLAS BALEARES (BALEARIC ISLANDS)
Menorca (Minorca)
Mallorca (Majorca)
Ibiza (Iviza)
Formentera
Barcelona
Marseille
Montpellier
Toulouse
Zaragoza
Valencia
Alicante
Murcia
Cartagena
Palma
Tarragona
Lérida
Gerona
Perpignan
Narbonne
Béziers
Sète (Cette)
Carcassonne
Pau
Bayonne
Tarbes
Mont Perdido 11007ft
Montes Malditos (Maladeta)
Pic du Midi d'Ossau 9465ft
Mt Vallier
Mt Canigou 9135ft
Pic Carlitte 9249ft
Pic Font Romeu
Andorra la Vella
Puigcerdá
Seo de Urgel
Sierra de Cadi
Montserrat 4064ft
Montblanch
Montalbán
Peñíscola
Castellón de la Plana
Sagunto
Játiva
Alcoy
Villena
Elche
Orihuela
Lorca
Puerto Lumbreras
Aguilas
Mazarron
C. Tiñoso
Mar Menor
La Unión
C. de Palos
Pueblo nuevo del Mar
Albufera de Valencia
Sueca
Cullera
Gandía
Denia
C. de la Não
Villajoyosa
Altea
Benidorm
Pego
Cocentaina
Callosa de Ensarriá
Dijona
Monóvar
Jumilla
Yecla
Almansa
Chinchilla de Monte Aragon
Albacete
Hellín
Tobarra
Caudete
Requena
Utiel
Chiva
Villar del Arzobispo
Liria
Segorbe
Chelva
Aras de Alpuente
Viver
Villarreal
Burriana
Nules
Almazora
Castellón de la Plana
I. Columbretes
Vinaroz
Benicarló
Peñíscola
Morella
Tortosa
G. de S. Jorge
C. de Tortosa
Ulldecona
Perelló
Reus
Tarragona
C. de Salou
Falset
Gandesa
Caspe
Azaila
Escatron
Fraga
Candasnos
Pina
Almunia de Doña Godina
La Almunia
Zaragoza (Saragossa)
Sariñena
Binéfar
Monzón
Tamarite de Litera
Barbastro
Benabarre
Graus
Tremp
Pobla de Segur
Sierra de Guara
Huesca
Jaca
Sabiñánigo
Biescas
Canfranc
Somport
Oloron
Mauléon Licharre
Saint Jean Pied de Port
Roncesvalles
Pamplona
Tafalla
Estella
Lerín
Logroño
Calahorra
Arnedo
Alfaro
Tudela
Cervera del Río Alhama
Tarazona
Borja
Sos
Sangüesa
Sierra de la Peña
Uncastillo
Sádaba
Ayerbe
Arguedas
Egea de los Caballeros
Ejea de los Caballeros
Sierra de Alcubierre
Sierra de Alcarama
Sierra de Castejón
Sierra de Moncayo
Sierra de Algairén
Sierra de Vicort
Sierra de Santa Cruz
Sierra de Cucalón
Sierra de Javalambre
Sierra de Mira
Sierra de Cabrera
Sierra de Enguera
Sierra de Mariola
Sierra de Crevillente
Sierra de la Cabras
Sierra de Carrascoy
Sierra de Espuña
Sierra de Tercia
Sierra de Taibilla
Sierra de Segura
Sierra de Cazorla
Sierra de Alcaraz
Sierra de Almenara
Sierra de Gádor
Sierra de los Filabres
Sierra de las Estancias
Sierra de Lucar
Sierra de Cullar de Baza
Sierra de Huércal Overa
Sierra de Cabo de Gata
Sierra de Alhamilla
Sierra de Bédar
Sierra de Cabrera
Sierra de Almagro
Sierra de Tejeda
Sierra de Almijara
Sierra de Cañete
Sierra de Cuenca
Sierra de Molina
Sierra de Albarracín
Sierra de Javalambre
Sierra de Gúdar
Sierra de Maestrazgo
Sierra de Montsant
Sierra de Prades
Sierra de Llena
Sierra de Cadi
Sierra de Boumort
Sierra de Carlitte
Sierra de Mont Louis
Sierra de Madame
Sierra de Roumeu
Sierra de Perche
Sierra de Tech
Sierra de Junquera
Sierra de Cadaqués
Sierra de Rosas
Sierra de Cabo de Creus
Sierra de Cabo de Gata
Sierra de Cabo de Palos
Sierra de Cabo de Tiñoso
Sierra de Cabo de Mazarron
Sierra de Cabo de Aguilas
Sierra de Cabo de Almanzora

FRANCE

AND NORTHERN ALGERIA

AREA: *212,974 sq. miles.* POPULATION: *49,440,000.* CAPITAL: *Paris.* CURRENCY: *100 centimes=1 nouveau franc.* Around France are three seas, into which flow the four great French rivers: the Seine into the English Channel, the Loire and Garonne into the Atlantic, and the Rhône into

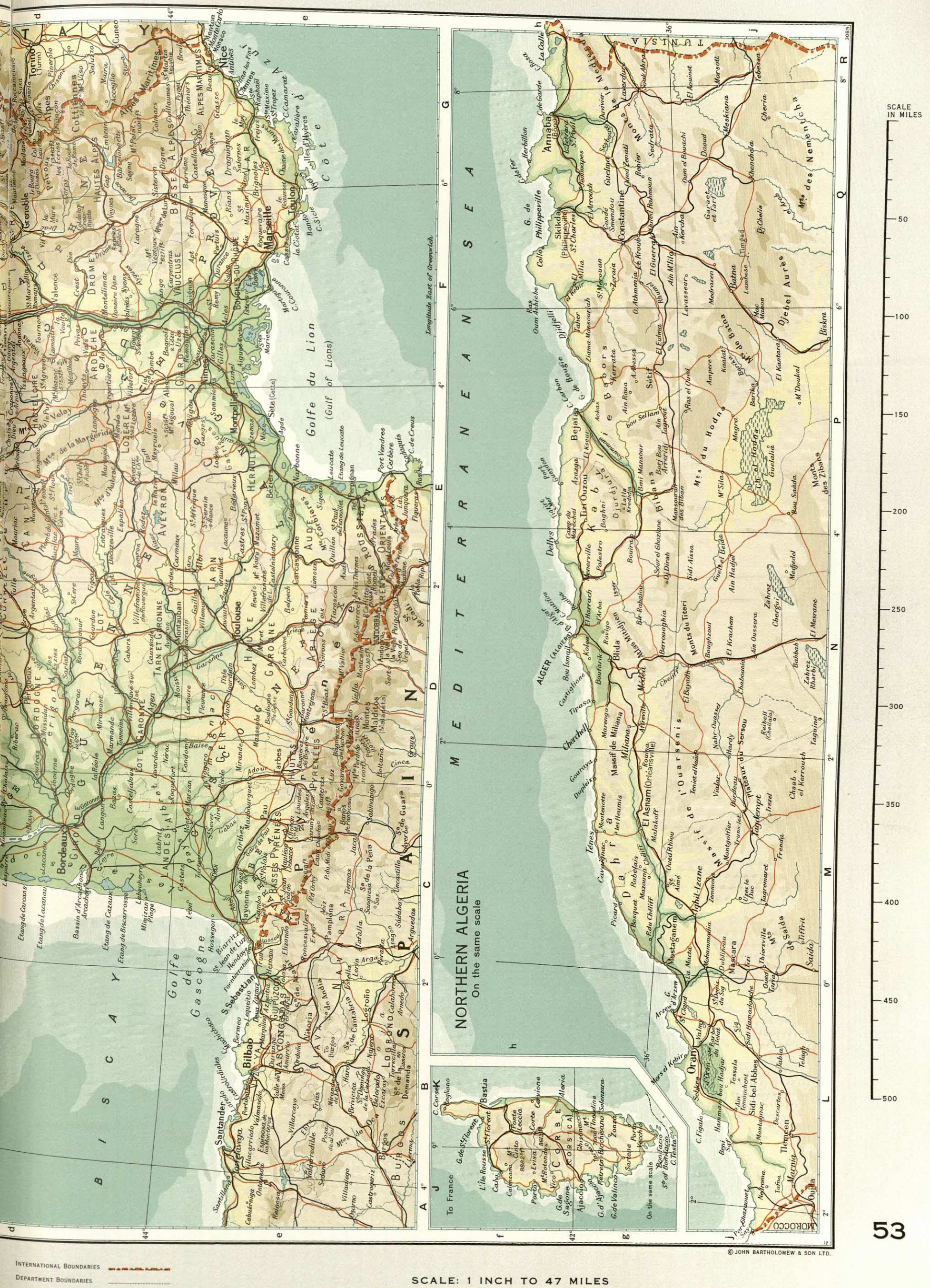
HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
300
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

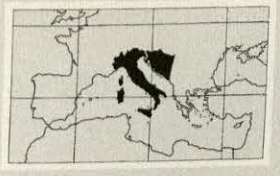
CONIC PROJECTION

SCALE: 1 INCH TO 47 MILES

MAIN ROADS
RAILWAYS

the Mediterranean. This maritime outlook gives the country its mild and even climate. A line drawn from Sedan, in the north-east, to Bayonne, in the south-west, divides the country roughly into its upland and lowland halves. The north-western half is mainly low-lying and includes the broad plains of Normandy and Brittany. On France's eastern borders rise the high mountains of the Vosges, the Jura and the Alps (Mont Blanc, 15,771 feet, is one of the highest peaks in Europe). Running southwards from the centre is the Massif Central, while the Pyrénées in the south-west form a natural barrier between France and Spain.


NORTHERN ALGERIA
On the same scale
Longitude East of Greenwich
Golfe du Lion (Gulf of Lions)
Golfe de Gascogne
MEDITERRANEAN SEA
BISCAY
FRANCE
SPAIN
ITALY
TUNISIA
MOROCCO
ALGER (ALGIERS)
Bilbao
Bordeaux
Marseille
Toulon
Nice
Torino (Turin)
Grenoble
Toulouse
Montpellier
Nîmes
Perpignan
Barcelona
Pamplona
Zaragoza
Valencia
Oran
Tlemcen
Constantine
Annaba (Bone)
Skikda (Philippeville)
Bejaia
Sétif
Batna
Biskra
Djebel Aurès
Mts des Nementcha
Mts du Hodna
Chott el Hodna
Chott el Chergui
Grand Erg Occidental
Grand Erg Oriental
Hamada du Guir
Hamada de Tinrhert
Monts du Tlemcen
Monts du Titeri
Massif de Miliana
Massif de l'Ouarsenis
Chaîne des Maures
Chaîne de l'Esterel
Côte d'Azur
Côte Vermeille
Côte Basque
Côte d'Argent
Côte Fleurie
Côte d'Albâtre
Côte d'Emeraude
Côte de Granit Rose
Côte Sauvage
Côte des Abers
Côte de Lumière
Côte de Nacre
Côte de Beauté
Côte de Corail
Côte Bleue
Côte Rocheuse
Côte Basque
Côte d'Argent
Côte Fleurie
Côte d'Albâtre
Côte d'Emeraude
Côte de Granit Rose
Côte Sauvage
Côte des Abers
Côte de Lumière
Côte de Nacre
Côte de Beauté
Côte de Corail
Côte Bleue
Côte Rocheuse
Golfe de Gascogne
Golfe du Lion (Gulf of Lions)
Golfe de Gascogne
Golfe de Gascogne
Golfe de Gascogne



ITALY

AREA: *116,286 sq. miles.* POPULATION: *51,859,000.* CAPITAL: *Rome.* CURRENCY: *100 centesimi=1 lira.*

Italy owes its boot-like shape to the Apennines which reach down the whole length of the country, culminating, across the Straits of Messina, in the island of Sicily. To the north the Alps encircle the peninsula like the head of a mushroom, shutting off Italy from the rest of Europe. The strange-shaped Dolomitic Alps (Dolomites) to the east form

HEIGHTS IN FEET

12,000
9000
6000
3000
1500
600
300
SEA LEVEL
150
600
6000
DEPTHS IN FEET

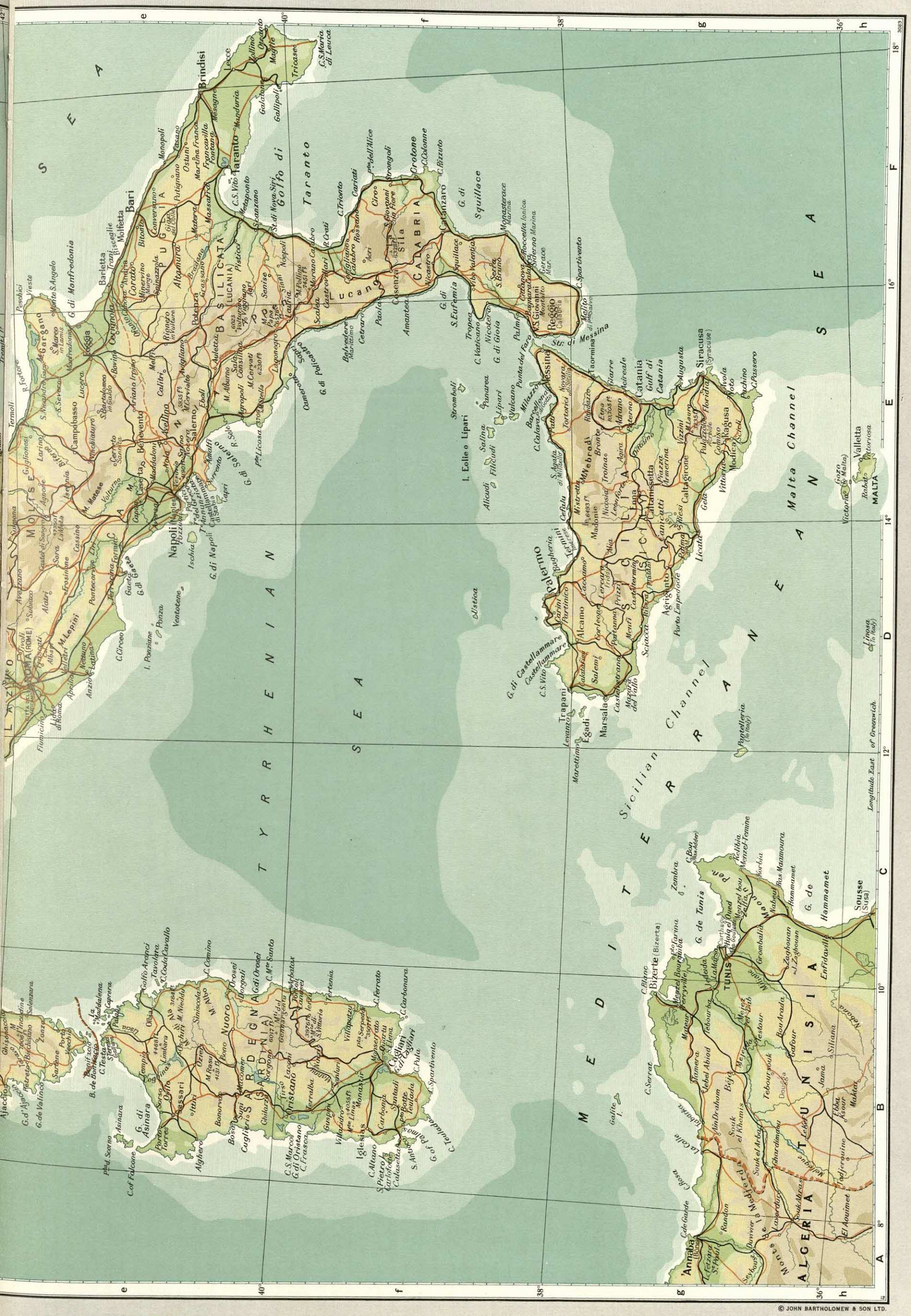
CONIC PROJECTION

SCALE: 1 INCH TO 47 MILES

MAIN ROADS
RAILWAYS

an important part of this mountain barrier which makes the country difficult to approach, and the names of the principal passes—the Simplon and St. Gotthard from Switzerland, and the Brenner from Austria—have become household words among travellers all over Europe.

Italy contains the only active volcanoes in Europe, notably Etna (the highest, 10,705 feet) in Sicily, and Vesuvius near Naples. Of the rivers, most of which are unnavigable, the longest is the Po (420 miles) which waters the fertile plain of Lombardy before entering the Adriatic through its delta between Venice and Ravenna. Other important rivers are the Tiber and the Arno.


SCALE IN MILES
50
100
150
200
250
300
350
400
450
500
Longitude East of Greenwich
Sicilian Channel
Malta Channel
TYRRHENIAN SEA
MEDITERRANEAN SEA
ADRIATIC SEA
Gulf of Taranto
Gulf of Squillace
Gulf of Catania
Gulf of Hammamet
Gulf of Tunis
Gulf of Palermo
Gulf of Castellammare
Gulf of Manfredonia
Gulf of Policastro
Gulf of Gaeta
Gulf of Salerno
Gulf of Naples
Gulf of Sta Eufemia
Gulf of Bisceglie
Gulf of Molfetta
Gulf of Gallipoli
Gulf of Orosei
Gulf of Asinara
Gulf of Oristano
Gulf of Cagliari
Gulf of Palmas
Gulf of Sidra
Gulf of Gabès
Gulf of Bougie
Gulf of Bizerta
Gulf of Annaba
Gulf of Arzew
Gulf of Oran
Gulf of Arguin
Gulf of Bejaia
Gulf of Skikda
Gulf of Bône
Gulf of Tarquinia
Gulf of Follonica
Gulf of Porto Empedocle
Gulf of Augusta
Gulf of Squillace
Gulf of Sta Eufemia
Gulf of Policastro
Gulf of Salerno
Gulf of Naples
Gulf of Gaeta
Gulf of Manfredonia
Gulf of Taranto
Gulf of Bisceglie
Gulf of Molfetta
Gulf of Gallipoli
Gulf of Orosei
Gulf of Asinara
Gulf of Oristano
Gulf of Cagliari
Gulf of Palmas
Gulf of Sidra
Gulf of Gabès
Gulf of Bougie
Gulf of Bizerta
Gulf of Annaba
Gulf of Arzew
Gulf of Oran
Gulf of Arguin
Gulf of Bejaia
Gulf of Skikda
Gulf of Bône
Gulf of Tarquinia
Gulf of Follonica
Gulf of Porto Empedocle
Gulf of Augusta
Gulf of Catania
Gulf of Hammamet
Gulf of Tunis
Gulf of Palermo
Gulf of Castellammare
Gulf of Manfredonia
Gulf of Taranto
Gulf of Squillace
Gulf of Sta Eufemia
Gulf of Policastro
Gulf of Salerno
Gulf of Naples
Gulf of Gaeta

THE BALKANS

HUNGARY, RUMANIA, YUGOSLAVIA, BULGARIA, GREECE

HUNGARY AREA: *35,919 sq. miles.* POPULATION: *10,179,000.*
CAPITAL: *Budapest.* CURRENCY: *100 fillér = 1 forint.*
RUMANIA AREA: *91,699 sq. miles.* POPULATION: *19,143,000.*
CAPITAL: *Bucharest.* CURRENCY: *100 bani = 1 leu.*

HEIGHTS IN FEET
6000
3000
1500
600
300
SEA LEVEL
150
600
6000

CONIC PROJECTION

SCALE: 1 INCH TO 47 MILES

MAIN ROADS
RAILWAYS

YUGOSLAVIA AREA: *98,766 sq. miles.* POPULATION: *19,756,000.* CAPITAL: *Belgrade.* CURRENCY: *100 paras = 1 dinar.*
BULGARIA AREA: *42,796 sq. miles.* POPULATION: *8,258,000.* CAPITAL: *Sofia.* CURRENCY: *100 stotinki = 1 (new) lev.*

GREECE AREA: *50,944 sq. miles.* POPULATION: *8,612,000.* CAPITAL: *Athens.* CURRENCY: *100 lepta = 1 drachma.*
The Balkan peninsula, with its broken coastline and many offshore islands, is separated from the rest of Europe by the river Danube (1,770 miles long and western Europe's longest river) which flows eastwards from Hungary and through the Iron Gate, a gorge between the Carpathians and the barren Dinaric Alps in Yugoslavia.

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INTERNATIONAL BOUNDARIES
PROVINCIAL BOUNDARIES

SCALE: 1 INCH TO 47 MILES

U.S.S.R.

AREA: *8,649,489 sq. miles.* POPULATION: *233,180,000.* CAPITAL: *Moscow.*
CURRENCY: *100 copecks=1 (new) rouble.*

The vast area of the U.S.S.R., straddling all Asia and half of Europe, shares its immense boundaries with many countries in both continents. It is divided

HEIGHTS IN FEET
20,000
12,000
10,000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

CONIC PROJECTION

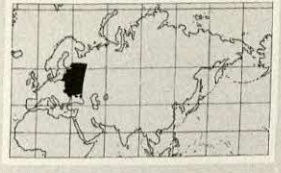
SCALE: 1 INCH TO 276 MILES

MAIN ROADS
RAILWAYS

structurally into three regions from west to east: two plains, separated by the Uralski Khrebet (which also form a useful dividing line between Asia and Europe) and a vast region of hazardous country ending in the remote peninsula of Kamchatka. On the north–south axis there are likewise three zones. The frozen tundra of the Arctic merges into forests and fertile plains, which end at the borders of the great desert belt stretching from Mongolia to the Caspian.

In fact, the U.S.S.R. is hemmed in on three fronts by hot or cold deserts or mountains, so that easy access is found only on the western side, through Europe.

ARCTIC OCEAN
EAST SIBERIAN SEA
BERING SEA
SEA OF OKHOTSK
SEA OF JAPAN
YELLOW SEA
LAPTEV SEA
NOVOSIBIRSKIYEOSTROVA (NEW SIBERIAN ISLANDS)
SEVERNAYA ZEMLYA (NORTH LAND)
Ostrov Kotelnyy
Ostrov Bolshevik
M. Molotova
Ostrov Komsomolets
Ostrov Faddeyevskiy
Os. Novaya Sibir
Ostrova De Longa
Os. Bennett
Os. Zhokhova
Os. Genrietta
Os. Stolbovoy
Os. Berkovskiy
Os. Malyy Lyakhovskiy
Os. Bolshoy Lyakhovskiy
Proliv Dmitriya Laptera
Proliv Sannikova
Os. Malyy Taymyr
Mys Chelyuskin
Proliv Shokalskogo
Proliv Vilkitskogo
Zaliv Faddeya
Ostrova Petra
Oz. Russkiy
Gory Byrranga
Ozero Taymyr
Poluostrov Taymyr
Gory Putorana
Oz. Khantayskoye
Kotuy
Kureyka
Yenisey
Lena
Olenek
Khatanga
Anabar
Yana
Indigirka
Kolyma
Alazeya
Omolon
Penzhina
Anadyr
Mys Blossom
Proliv Longa
Os. Vrangelya (Wrangel I.)
Bering Str.
St Lawrence (U.S.A.)
St Matthew I. (U.S.A.)
St Paul I.
Mys Dezhneva
Mys Chaplina
Mys Navarin
Zaliv Anadyrskiy
Zal. Kresta
Chukotskiy Poluostrov
Chukotskiy Khrebet
Anadyrskaya Nizmennost
Gory Gydanskiy
Gory Baranova
Gory Byrranga
Verkhoyanskiy Khrebet
Cherskogo Khrebet
Kolymskaya Nizmennost
Yano-Indigirskaya Nizmennost
Gory Kolymskiy
Gory Momskiy
Gory Delyankirskiy
Gory Sredinnyy Khrebet
Gory Vostochnyy Khrebet
Gory Ostrovnoy
Gory Tumanskogo
Gory Stanovoy Khrebet
Gory Dzhagdy
Gory Bureinskiy
Gory Sikhote Alin
Gory Sredinnyy
Gory Yablonovyy Khrebet
Gory Khrebet Khamar Daban
Gory Baykalskiy Khrebet
Gory Khrebet Ulan Burgasy
Gory Khrebet Oriulgan
Gory Tukuringra
Gory Dzhugdzhur
Gory Stanovoy Nagorye
Gory Aldanskoye Nagorye
Gory Patomskoye Nagorye
Gory Severo Baykalskaya Nagorye
Gory Verkhoyanskiy
Gory Tukuringra
Gory Dzhugdzhur



EUROPEAN RUSSIA

The area between the Baltic and the Black Sea is part of the enormous Russian Plain which stretches unbroken to the Central Russian uplands, before continuing eastwards. The comparatively low land in this district is shown up by the meandering rivers and the lakes and marshes of the Pripyat region. To the south, the mild undulations of the Ukrainian steppe interrupt the monotony of the northern plain.

HEIGHTS IN FEET
6000
3000
1500
600
300
SEA LEVEL
Depression
160
600
DEPTHS IN FEET

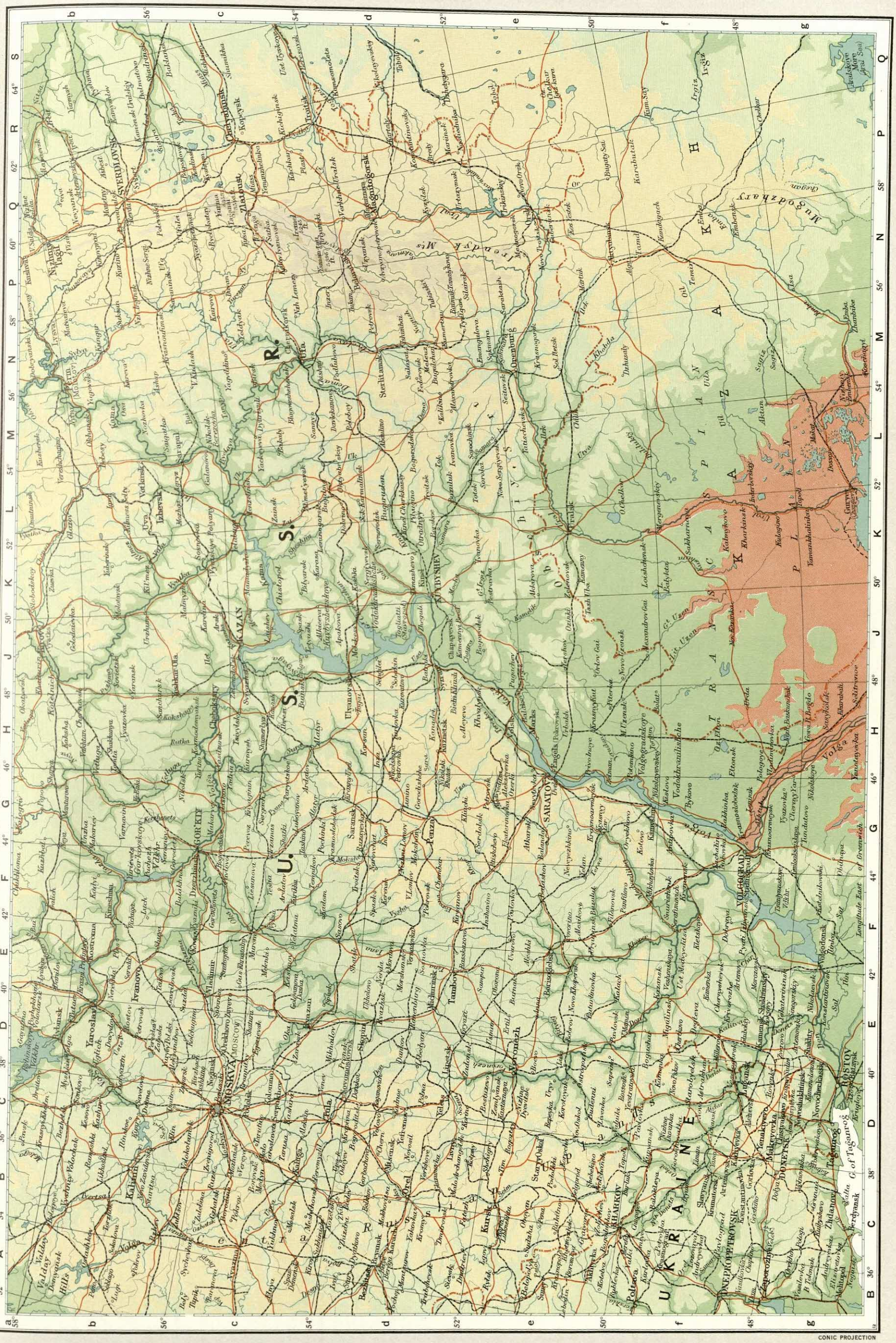
CONIC PROJECTION

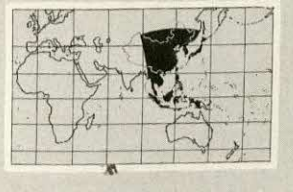
SCALE: 1 INCH TO 94 MILES

INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

THE VOLGA BASIN

This map shows the highest and the lowest parts of European Russia, from the Urals, up to 5,500 feet high, to the northern end of the Caspian, 50 feet below sea level. The two main rivers are the Don, and the 2,400-mile-long Volga which flows through several immense artificial lakes, recently created. The huge, low-lying plain that circles the northern end of the Caspian is the largest area of inland drainage in the world.





THE FAR EAST

NORTH KOREA, SOUTH KOREA, PHILIPPINES, INDONESIA

NORTH KOREA AREA: *46,540 sq. miles.* POP: *12,100,000.*
CAPITAL: *Pyongyang.* CURRENCY: *100 jun=1 new won.*
SOUTH KOREA AREA: *38,004 sq. miles.* POPULATION: *29,086,000.* CAP: *Seoul.* CURRENCY: *10 hwan=1 won.*

HEIGHTS IN FEET
16,000
12,000
10,000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000

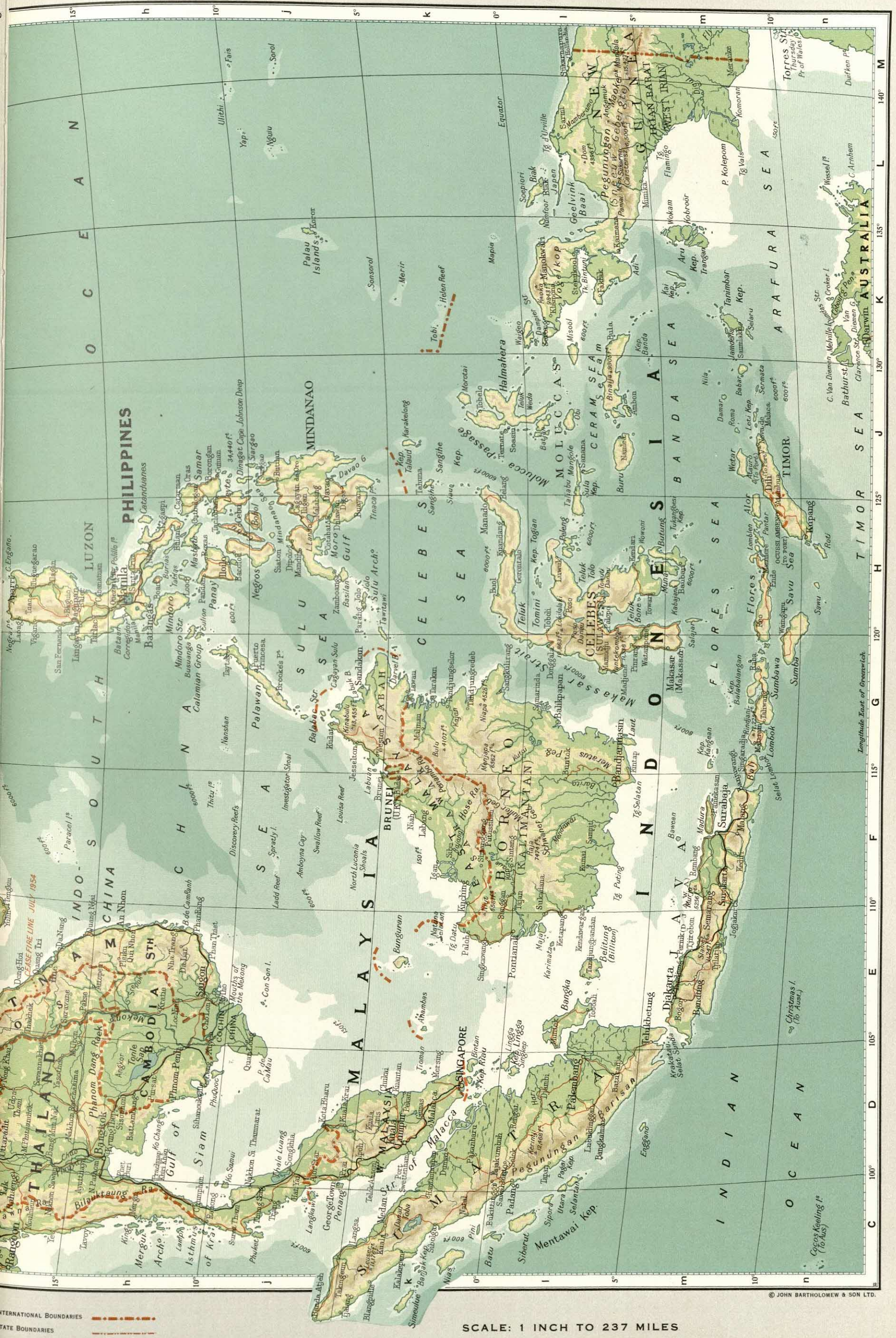
BONNE'S PROJECTION

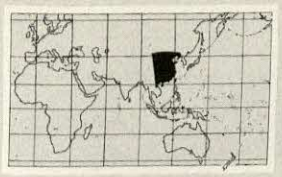
SCALE: 1 INCH TO 237 MILES

MAIN ROADS
RAILWAYS

PHILIPPINES AREA: *115,830 sq. miles.* POP: *33,477,000.*
CAPITAL: *Manila.* CURRENCY: *100 centaros=1 peso.*
INDONESIA AREA: *735,488 sq. miles.* POP: *104,500,000.*
CAPITAL: *Djakarta.* CURRENCY: *100 sen=1 rupiah.*

From the high Tibetan plateau to the deep ocean bed off the Philippines is a drop of nearly 50,000 feet. The shallow seas of the Indonesian Archipelago and the mainly volcanic formation of the mountainous islands curving round West Malaysia to New Guinea are a marked contrast to the Himalayan fold mountains. The Philippines, some 7,000 islands, form the apex of a triangle based on Indonesia and pointing north to the equally mountainous islands of Japan.


PHILIPPINES
LUZON
MINDANAO
Manila
Philippine Sea
Celebes Sea
Sulu Sea
Sulu Arch.
Mindanao Gulf
Moro Gulf
Basilan
Mindoro Str.
Balabac Str.
Palawan Passage
Mindoro
Palawan
Panay
Negros
Cebu
Leyte
Samar
Catanduanes
Polillo Is.
Lingayen Gulf
Batangas
Corregidor
Bataan
Subic Bay
Lagaspi
Tacloban
Zamboanga
Davao G.
Cotabato
Jolo
Tawitawi
Parang
Puerto Princesa
Brooke's Pt.
Cagayan Sulu
Cagayan de Oro
Iligan
Malabang
Dipolog
Surigao
Butuan
Dinagat
Cape Johnston Deep
Tinaca Pt.
Kep. Talaud
Karakelong
Tahuna
Sangihe
Kep. Sangihe
Sitaro
Siau
Molucca Passage
Halmahera
Morotai
Tobelo
Ternate
Soasiu
Tidore
Weda
Waigeo
Dampier Str.
Misool
Batjan
Obi
Moluccas
Molucca Sea
Ceram Sea
Seram
Manipa
Kep. Banda
Banda Sea
Banda Is.
Binaja 9800ft.
Buru
Namlea
Amboina
Sula Kep.
Taliabu
Mangole
Sanana
Obi
Buton
Kendari
Wowoni
Tukangbesi Kep.
Celebes
(Sulawesi)
Makassar Str.
Mandar
Makassar
(Makassar)
Tomini
Teluk
Tolo
Bone
Toli Toli
Gorontalo
Manado
Buol
Kwandang
Tolitoli
Donggala
Palu
Parigi
Kendari
Bandjarmasin
Laut
Pulau Laut
Sangkulirang
Samarinda
Balikpapan
Tandjungredeb
Tarakan
Tandjungselor
Sandakan
Jesselton
Labuan
Brunei
Kudat
Kinabalu
13,455ft.
Sabah
Tawau
Mahakam
Kutai
Meratus
Pegunungan Muller
Schwaner Geb.
Raja
7474ft.
Batu Lawi
6562ft.
Kapuas
Sintang
Pontianak
Singkawang
Kuching
Sarawak
Sibuti
Miri
Seria
Lutong
Baram
Igan
Rejang
Sibu
Simanggang
Pulusshim
Hose Ra.
Brooke Ra.
Kapuas Hulu Ra.
Bukit Batu
4101ft.
Kayan
Mendawai
Kumai
Samuda
Pembuang
Sukadana
Tg. Puting
Tg. Selatan
Tg. Datu
Paloh
Natuna Selatan
Bunguran
Anambas
Tambelan Is.
Karimata
Ketapang
Kendawangan
Tandjungpandan
Belitung
(Billiton)
Bangka
Toboali
Mentok
Muntok
Pangkalpinang
Sungailiat
Tandjungkalian
Lingga
Kep. Lingga
Singkep
Bintan
Tg. Pinang
Riau
Kep. Riau
Tambelan
Tromon
Morsing
Singapore
Johore
Malacca
Kuala Lumpur
Kuala Lumpur
Port Swettenham
Kuala Selangor
Kuantan
Pahang
Kuala Trengganu
Kuala Krai
Kota Bharu
Kuala Lipis
Kuala Tahan
Telok Anson
Penang
George Town
Penang
Sungei Patani
Alor Star
Langkawi
Kedah Peak
Kroh
Bangkok
Thailand
Gulf of Siam
Phuket
Phuket I.
Nakhon Si Thammarat
Songkhla
Pattani
Yala
Betong
Trang
Krabi
Takuapa
Ranong
Chumphon
Isthmus of Kra
Bilauktaung Ra.
Tenasserim
Mergui Arch.
Victoria Pk.
Tavoy
Tavoy I.
Moulmein
Thaton
Martaban
Rangoon
Irrawaddy Delta
Bassein
Akyab
Sittang
Pegu
Prome
Thayetmyo
Meiktila
Mandalay
Myitkyina
Bhamo
Lashio
Kengtung
Chiengmai
Chiengrai
Lampang
Phrae
Nan
Tak
Sukhothai
Phitsanulok
Uttaradit
Udon Thani
Nong Khai
Savannakhet
Thakhek
Pakse
Attopeu
Laos
Vientiane
Luang Prabang
Xieng Khouang
Phong Saly
Tonkin
Hanoi
Haiphong
Dong Hoi
Quang Ngai
Da Nang
Quang Tri
An Nhon
Nha Trang
Da Lat
Phan Rang
Phan Thiet
Bien Hoa
Saigon
Cholon
Tay Ninh
Kratie
Stung Treng
Cambodia
Phnom Penh
Phnom Dang Raek
Angkor
Tonle Sap
Mekong
Mouths of the Mekong
Phu Quoc
Con Son I.
Cochin China
Quan Long
P. de Ca Mau
Ca Mau
Ambas
Natuna Is.
Indonesia
Malaysia
Brunei
(Ujong Badas)
Sabah
Sarawak
Kalimantan
Borneo
Java Sea
Java
Java Trench
Indian Ocean
Christmas I.
(To Aust.)
Cocos Keeling Is.
(To Aus)
Sunda Str.
Krakatau
Selat Sunda
Jakarta
Djakarta
Bogor
Bandung
Tjilatjap
Jogjakarta
Semarang
Surabaja
Madura
Bawean
Kangean
Sumbawa
Sumba
Flores
Flores Sea
Lombok
Selat Lombok
Bali
Timor Sea
Timor
Dili
Kupang
Roti
Savu Sea
Savu
Ende
Lomblen
Alor
Wetar
Ataura
Damar
Roma
Babar
Tanimbar Kep.
Selaru
Kai Kep.
Aru
Kep. Trangan
Arafura Sea
New Guinea
West Irian
Geelvink Baai
Pegunungan Maoke
Carstensz 16,500ft.
Mamberamo
Sarmi
Tg. d'Urville
Soepiori
Biak
Japen
Manokwari
Vogelkop
Steenkool
Tk. Bintuni
Fakfak
Misool
Waigeo
Dampier Str.
Sorong
Mapia
Equator
Yap
Ulithi
Fais
Sorol
Nguiu
Palau Islands
Koror
Sonsorol
Merir
Tobi
Helen Reef
Karakelong
Talaud
Tahuna
Sangihe
Kep. Sangihe
Siau
Mindanao Deep
Tinaca Pt.
Davao G.
Davao
Digos
Buayan
Malabang
Cotabato
Moro Gulf
Basilan
Jolo
Sulu Arch.
Tawitawi
Parang
Puerto Princesa
Brooke's Pt.
Cagayan Sulu
Balabac Str.
Palawan Passage
Palawan
Calamian Group
Busuanga
Mindoro Str.
Mindoro
Batangas
Corregidor
Bataan
Subic Bay
Manila
Lingayen Gulf
Lagaspi
Tacloban
Catanduanes
Polillo Is.
Negros
Cebu
Leyte
Samar
Panay
Iloilo
Masbate
Catarman
Oras
Borongan
Guiuan
Dinagat
Surigao
Butuan
Siargao
Dipolog
Mindanao
Cagayan de Oro
Iligan
Malabang
Davao
Digos
Buayan
Cotabato
Jolo
Basilan
Zamboanga
Tawitawi
Parang
Puerto Princesa
Brooke's Pt.
Cagayan Sulu
Balabac Str.
Palawan Passage
Palawan
Calamian Group
Busuanga
Mindoro Str.
Mindoro
Batangas
Corregidor
Bataan
Subic Bay
Manila
Lingayen Gulf
Lagaspi
Tacloban
Catanduanes
Polillo Is.
Negros
Cebu
Leyte
Samar
Panay
Iloilo
Masbate
Catarman
Oras
Borongan
Guiuan
Dinagat
Surigao
Butuan
Siargao
Dipolog
Mindanao Deep
Tinaca Pt.
Davao G.
Davao
Digos
Buayan
Malabang
Cotabato
Moro Gulf
Basilan
Jolo
Sulu Arch.



EAST CHINA

CHINA AREA: *3,691,502 sq. miles.* POPULATION: *700,000,000.* CAPITAL: *Peking.* CURRENCY: *100 fen=1 yuan.*

Though half covered by mountains, China has the largest population of any country in the world, and also the largest area of fertile land. The eastern half of the map shows a semi-circle of low-lying land dotted with lakes, testifying

HEIGHTS IN FEET

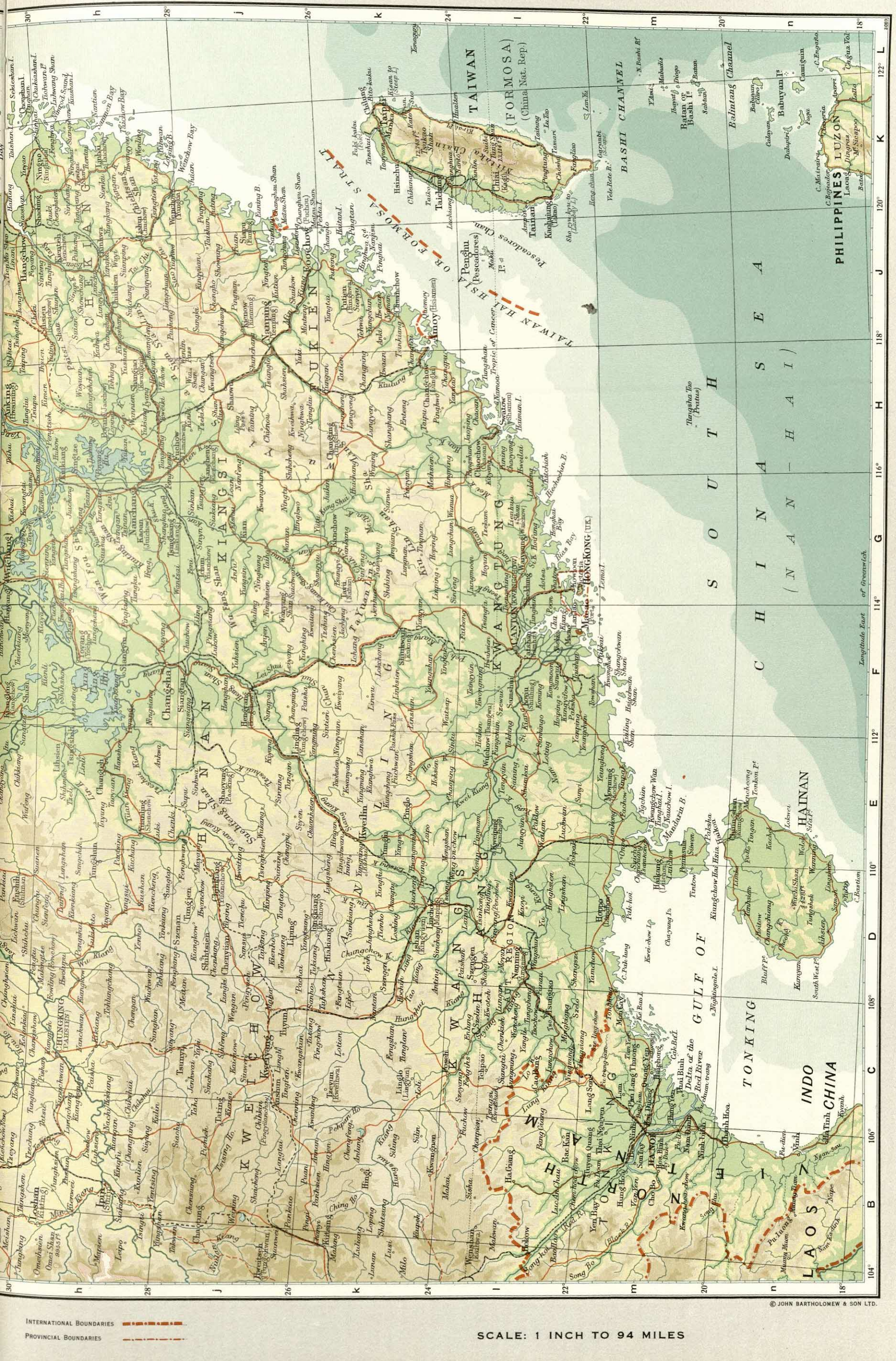
12,000
10,000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 94 MILES

MAIN ROADS
RAILWAYS

to inadequate river drainage. This area is backed by vast mountain ranges running north-east to Siberia, and cut up by mountainous tracts on a south-east axis reaching down to the coast of Chekiang. Each of the three main rivers, the Hwang Ho (Yellow River), the Yangtze Kiang and the Si Kiang, has a broad, well-watered valley, and together these valleys contain more than two-thirds of China's inhabitants. Sinkiang, the largest province, is mostly desert. Another desert, the Gobi, which separates northern China from Outer Mongolia, covers nearly one-third of China's total area. China's jagged south-eastern coastline contrasts sharply with the smoother coastline north of Shanghai.



JAPAN

AREA: *142,719 sq. miles.* POPULATION: *98,865,000.*
CAPITAL: *Tokyo.* CURRENCY: *100 sen=1 yen.*

Japan consists of a group of four large islands and many smaller ones, stretching from north to south over a thousand miles and separated from China by the shallow Sea of Japan. The main island is Honshu, which is approximately the same size as Great Britain. Off Japan's east coast the Pacific Ocean is almost at its deepest.

HEIGHTS IN FEET
10,000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

SCALE IN MILES
50
100
150
200
250
300
350
400
450
500
550
600

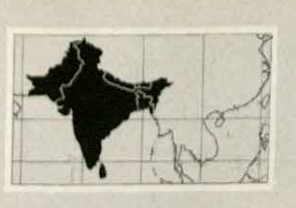
MANCHURIA
CHINA
U. S. S. R.
SAKHALIN
HOKKAIDO
HONSHU
SHIKOKU
KYUSHU
SOUTH KOREA
SEA OF JAPAN
PACIFIC OCEAN
RYUKYU RETTO
TOKARA GUNTŌ
AMAMI GUNTŌ
OKINAWA GUNTŌ
SAKISHIMA GUNTŌ
Peter the Great Bay
Vladivostok
Khanka, Ozero
Sapporo
Hakodate
Tokyo
Yokohama
Nagoya
Kyoto
Osaka
Kobe
Hiroshima
Nagasaki
Kagoshima
Sendai
Niigata
Akita
Morioka
Aomori
Yamagata
Fukushima
Kanazawa
Matsue
Okayama
Kochi
Miyazaki
Naha
Okushiri
Rebun
Rishiri
Okushiri
Sado
Oki guntō
Izu Shichi tō
Okinawa shima
Amami Ō Shima
Tokuno shima
Yaku jima
Takara kaikyō
Tsugaru Str.
La Perouse Str.
Soya Kaikyō
Tsushima
Iki shima
Tsushima Str.
Kii suidō
Bungo suidō
Tosa wan
Ise wan
Suō nada
Iyo nada
Ōsumi kaikyō
Tokara kaikyō
Okino erabu sh.
Yoron shima
Kuchino erabu shima
Kuchino shima
Naka no sh.
Tokara jima
Gaja shima
Akuseki sh.
Kikaiga sh.
Kakeroma jima
Tokuno shima
Kamezu
Wadomari
Okino erabu sh.
Inoya sh.
Izena sh.
Ie sh.
Hedo
Aguni j.
Motobu
Nago
Kunigami w.
Tomari j.
Shuri
Kume j.
Mae sh.
Yonaguni sh.
Iriomote Shima
Ishigaki shima
Ishigaki
Kuro sh.
Nakanokami shima
Hateruma shima
Miyako jima
Irabu j.
Tarama j.
Ibara
Uva saki
Providence R.
Tanega shima
Yakushima
Ōsumi Guntō
Nishinoomote
Kagoshima wan
Satamisaki
Toi misaki
Ashizuri saki
Muroto saki
Shiono misaki
Inamba shima
Mikura jima
Izu Ōshima
Miyake jima
Kōzu shima
Nii jima
Shikine shima
Ō shima
Idone shima
Kōjima saki
Katsuura
Tateyama
Boso Hanto
Chōshi
Inubō saki
Kashima
Hitachi
Mito
Tsuchiura
Utsunomiya
Nikkō
Maebashi
Takasaki
Kōfu
Nagano
Matsumoto
Takayama
Toyama
Fukui
Kaga
Wakasa wan
Tottori
Matsue
Shimane
Yamaguchi
Hagi
Shimonoseki
Kitakyushu
Fukuoka
Saga
Kumamoto
Oita
Miyazaki
Kagoshima
Sata misaki
Kagoshima wan
Ōsumi kaikyō
Tanega shima
Yaku jima
Takara kaikyō
Amakusa shima
Shimo jima
Koshiki Rettō
Kami Koshiki sh.
Shimo Koshiki sh.
Gotō Rettō
Fukue sh.
Nagasaki
Sasebo
Omura
Isahaya
Kumamoto
Yatsushiro
Kagoshima
Ibusuki
Kushikino
Makurazaki
Kagoshima wan
Ariake wan
Shimabara
Unzen
Aso san
Beppu
Ōita
Usuki
Nobeoka
Miyazaki
Hyūga
Kushima
Toi misaki
Ashizuri saki
Muroto saki
Tosa wan
Kōchi
Tokushima
Matsuyama
Imabari
Takamatsu
Sakaide
Marugame
Awaji shima
Wakayama
Tanabe
Shingu
Kii suidō
Ise wan
Owase
Nagashima
Yokkaichi
Tsu
Matsusaka
Toba
Ise
Hamamatsu
Daiō saki
Omaezaki
Shizuoka
Numazu
Mishima
Fuji san
Kawasaki
Yokosuka
Ōmi shima
Taka s.
Mi shima
Kii Hanto
Shirahama
Kushimoto
Hongū
Shionomisaki
Nachi
Kii Nagashima
Yoshino
Nara
Ōsaka
Sakai
Himeji
Okayama
Hiroshima
Fukuyama
Tsuyama
Matsue
Yonago
Tottori
Matsuyama
Imabari
Tokushima
Kōchi
Tosa wan
Muroto saki
Ashizuri saki
Shimo misaki
Inamba shima
Mikura jima
Izu Ōsh

SOUTH-EAST ASIA

THAILAND AREA: *198,455 sq. miles.* POPULATION: *10,500,000.* CAPITAL: *Bangkok.*
WEST MALAYSIA AREA: *50,690 sq. miles.* POPULATION: *8,298,000.* CAPITAL: *Kuala Lumpur.*

NORTH VIETNAM AREA: *61,293 sq. miles.* POPULATION: *19,000,000.* CAPITAL: *Hanoi.*
SOUTH VIETNAM AREA: *65,948 sq. miles.* POPULATION: *16,543,000.* CAPITAL: *Saigon.*

LAOS AREA: *88,780 sq. miles.* POP: *2,635,000* CAPITAL: *Luang Prabang.* (GOVT: *Vientiane.*)
CAMBODIA AREA: *69,900 sq. miles.* POPULATION: *6.250.000.* CAPITAL: *Phnom-Penh.*



INDIA, PAKISTAN CEYLON, BURMA

INDIA AREA: *1,229,215 sq. miles.* POP: (excluding Kashmir-Jammu, Sikkim): *483,000,000.* CAPITAL: *Delhi.* CURRENCY: *100 naye paise=1 rupee.*
PAKISTAN AREA: *365,528 sq. miles.* POP: (excl. Kashmir-Jammu, Gilgit, Baltistan): *105,044,000.* CAP: *Rawalpindi* (Islamabad under construct.). CURRENCY: *100 paisas=1 rupee.*

HEIGHTS IN FEET
18,000
12,000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

A R A B I A N S E A

Tropic of Cancer

Gulf of Kutch

Gulf of Cambay

Great Rann of Kutch

Little Rann of Kutch

Gulf of Mannar

Palk Strait

Nine Degree Channel

Eight Degree Channel

Laccadive Islands (To India)

Cherbaniani Reef

Byramgore Reef

Pere Mul Par Reef

Suheli Par

Agatti

Androth

Kavaratti

Kalpeni

Minicoy

Heawandu Atoll

Mouths of the Indus

Cease Fire line

Indian Desert or Thar

Hindu Kush

Karakoram Range

Himalayas

Salt Range

Sulaiman Range

Kirthar Range

Makran

Western Ghats

Eastern Ghats

Vindhya Range

Satpura Range

Aravalli Range

Nilgiri Hills

Palni Hills

Cardamum Hills

Anaimalai Hills

Mahadeo Hills

Maikala Range

Malabar Coast

Coromandel Coast

Deccan Plateau

Ganges R.

Indus R.

Brahmaputra R.

Jumna R.

Sutlej R.

Helmand R.

Godavari R.

Krishna R.

Narmada R.

Tapti R.

Mahanadi R.

Kaveri R.

Palar R.

Vaigai R.

Tungabhadra R.

Chambal R.

Betwa R.

Ken R.

Son R.

Damodar R.

Subarnarekha R.

Hooghly R.

Kistna R.

Pennar R.

Sabarmati R.

Mahi R.

Luni R.

Kalat

Khairpur

Bahawalpur

Multan

Lahore

Amritsar

Jammu

Srinagar

Rawalpindi

Islamabad

Peshawar

Kandahar

Herat

Kabul

Ghazni

Quetta

Zahedan

Nushki

Dalbandin

Chagai

Bam

Sarbaz

Panjgur

Turbat

Gwadar

Pasni

Ormara

Las Bela

Khuzdar

Sibi

Jacobabad

Shikarpur

Sukkur

Larkana

Hyderabad

Karachi

Jaisalmer

Bikaner

Jodhpur

Ajmer

Jaipur

Alwar

Bharatpur

Agra

Mathura

Aligarh

Meerut

Ambala

Patiala

Ludhiana

Jullundur

Ferozepur

Bhatinda

Sirsa

Hissar

Rohtak

Karnal

Panipat

Saharanpur

Roorkee

Dehra Dun

Simla

Chandigarh

Delhi

New Delhi

Kanpur

Lucknow

Allahabad

Varanasi

Gorakhpur

Faizabad

Gonda

Bareilly

Rampur

Moradabad

Nainital

Almora

Pithoragarh

Tehri

Srinagar

Leh

Ladakh

Zaskar

Rupshu

Kohistan

Baltistan

Gilgit

Chitral

Swat

Dir

Bajaur

Waziristan

Khyber Pass

Bolan Pass

Gomal Pass

Khojak Pass

Kyber Pass

Zojila Pass

Rohtang Pass

Shipki La

Nathu La

Jelep La

Lipu Lekh Pass

Mana Pass

Niti Pass

Thal Chat

Kalabagh

Mianwali

Sargodha

Jhang

Montgomery

Lyallpur

Multan

Khanewal

Vehari

Mailsi

Lodhran

Khairpur

Sukkur

Shikarpur

Jacobabad

Dera Ghazi Khan

Dera Bugti

Sibi

Loralai

Zhob

Quetta

Pishin

Chaman

Kalat

Khuzdar

Panjgur

Turbat

Gwadar

Pasni

Ormara

Las Bela

Hub

Karachi

Tatta

Thatta

Badin

Mirpur Khas

Umarkot

Nawabshah

Hyderabad

Tando Adam

Tando Allahyar

Mirpur Sakro

Shahbandar

Jati

Sujawal

Keti Bandar

Kharan

Washuk

Nushki

Dalbandin

Chagai

Bam

Sarbaz

Iranshahr

Saravan

Khash

Zahedan

Nasratabad

Zabol

Chakhansur

Qala Nao

Ghorak

Shindand

Farah

Lash Juwain

Khash

Girishk

Lashkar Gah

Tarnak R.

Arghandab R.

Helmand R.

Registan

Dasht-i-Margo

Dasht-i-Naomid

Dasht-i-Kavir

Dasht-i-Lut

Kuh-i-Taftan

Kuh-i-Basman

Kuh-i-Sultan

Kuh-i-Malik Siah

Koh-i-Baba

Koh-i-Safed

Hindu Kush

Paropamisus

Band-i-Turkestan

Band-i-Baian

Band-i-Amir

Kunduz

Taloqan

Faizabad

Jalalabad

Khost

Gardez

Ghazni

Kandahar

Herat

Farah

Chakhansur

Zaranj

Lashkar Gah

Girishk

Qala-i-Fathullah

Qala-i-Ghilzai

Maimana

Andkhui

Mazar-i-Sharif

Sar-i-Pul

Shibarghan

Aibak

Kunduz

Baghlan

Pul-i-Khumri

Charikar

Bamian

Parwan

Kabul

Jalalabad

Khyber Pass

Peshawar

Kohat

Bannu

Dera Ismail Khan

Tank

Zhob

Loralai

Sibi

Quetta

CEYLON AREA: *25,332 sq. miles.* POPULATION: *11,500,000.*
CAPITAL: *Colombo.* CURRENCY: *100 cents=rupee.*
BURMA AREA: *261,789 sq. miles.* POPULATION: *25,246,000.*
CAPITAL: *Rangoon.* CURRENCY: *100 pyas=1 kyat.*

The Indian peninsula falls into three main regions: the Himalayas, the great plains of the Indus and the Ganges, and the Deccan plateau. The mountains to the north virtually seal off the peninsula from the rest of Asia. Along the coast from the Gulf of Cambay down to Cape Comorin, runs the long mountain range of the Western Ghats. The high mountains of Burma are separated by the valley of the Irrawaddy and Sittang rivers.

INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

SCALE: 1 INCH TO 158 MILES

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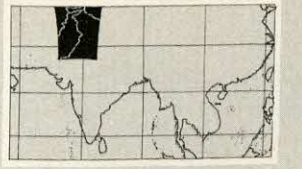
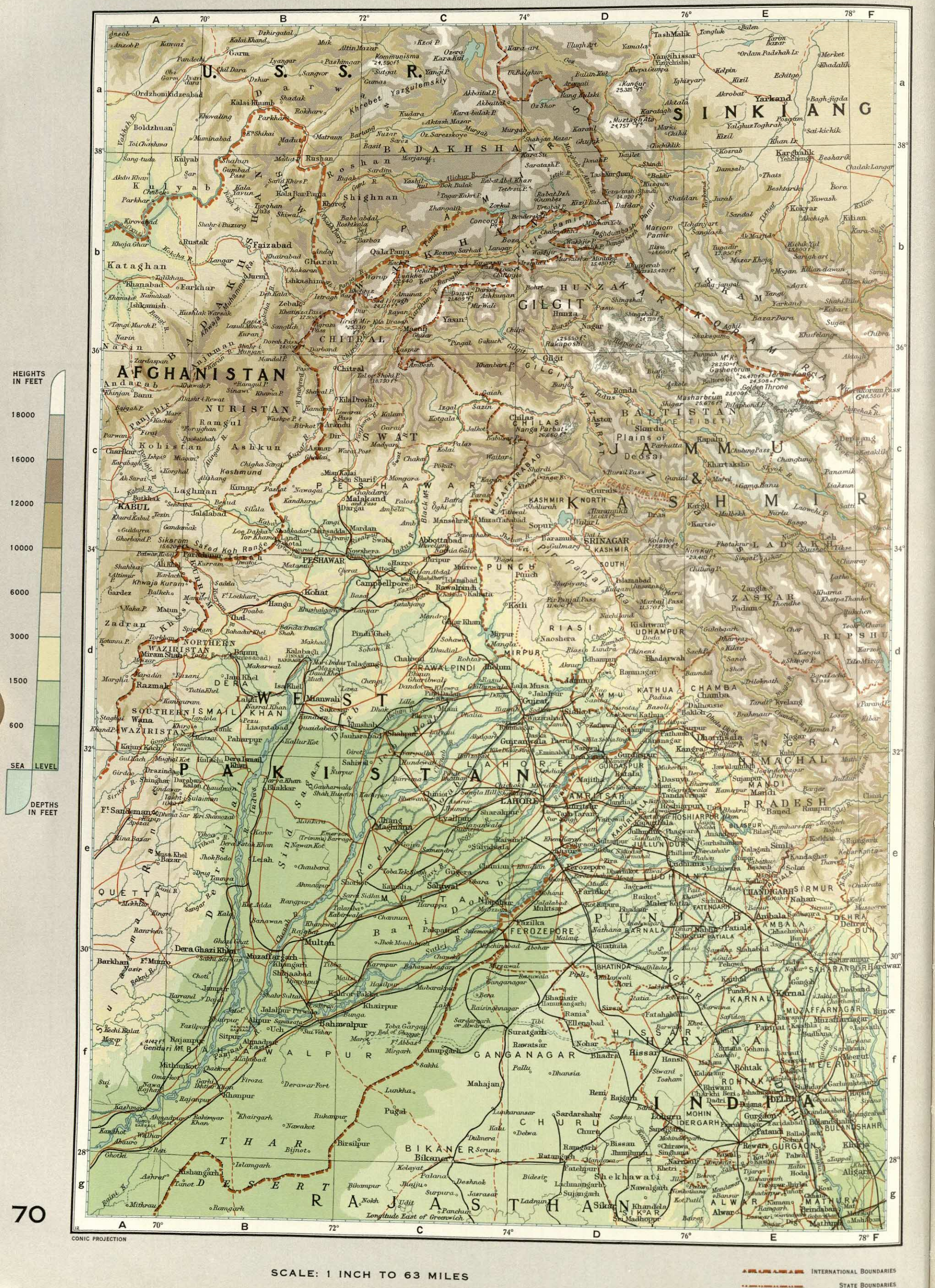


PUNJAB AND KASHMIR

To the north-west of the Indian peninsula a region of contrasts ranges from the arid deserts of the lower Indus plain to the perpetual snows of the high Himalayas in Kashmir, part of the district known as the Roof of the World. The area is intersected by the erratic courses of the Indus and its tributaries, which rise close to the eastward-flowing Brahmaputra River, shown on the opposite map.



HEIGHTS IN FEET

18000
16000
12000
10000
6000
3000
1500
600
SEA LEVEL

DEPTHS IN FEET

CONIC PROJECTION

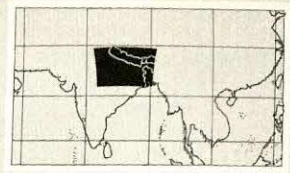
SCALE: 1 INCH TO 63 MILES

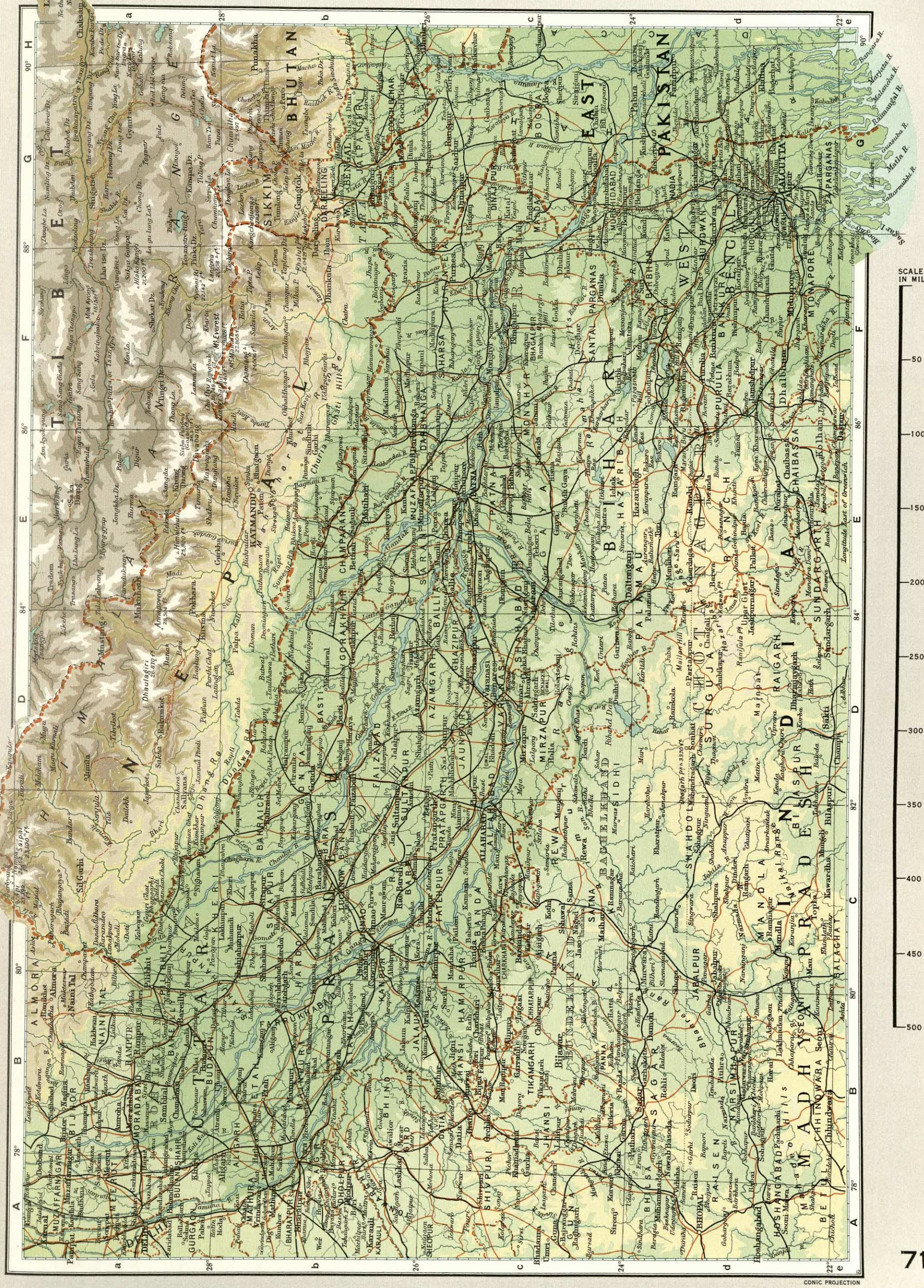
INTERNATIONAL BOUNDARIES

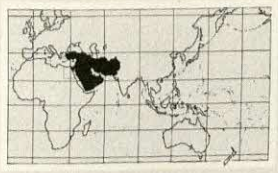
STATE BOUNDARIES

PLAIN OF THE GANGES

The Ganges valley is one of the most thickly populated regions in the world. The population is entirely dependent on the rivers that flow down from the north-west, across the plain, and through their many deltas into the Bay of Bengal. These rivers bring with them rich alluvial deposits and provide waters for irrigation. The largest river in the plain is revered throughout India as Mother Ganges.







THE MIDDLE EAST

AND AFGHANISTAN

TURKEY AREA: *301,380 sq. miles.* POPULATION: *32,901,000.* CAPITAL: *Ankara.* CURRENCY: *100 piastres (kurus)=1 pound.*
IRAQ AREA: *173,259 sq. miles.* POPULATION: *8,338,000.* CAPITAL: *Baghdad.* CURRENCY: *1,000 fils=1 dinar.*

HEIGHTS IN FEET
18,000
12,000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 158 MILES

MAIN ROADS
RAILWAYS

IRAN (PERSIA) AREA: *636,293 sq. miles.* POPULATION: *25,780,000.* CAPITAL: *Tehran.* CURRENCY: *100 dinars=1 rial.*
AFGHANISTAN AREA: *250,000 sq. miles.* POP: *15,909,000,* CAPITAL: *Kabul.* CURRENCY: *100 puls=1 afghâni.*

SAUDI ARABIA AREA: *869,803 sq. miles.* POPULATION: *6,750,000.* CAPITALS: *Mecca* and *Riyadh.* CURRENCY: *20 qurush=1 rial.*

The map shows the fold mountain belt widening from the Georgian Caucasus into the broad plateau of Persia, and narrowing at the heights of the Hindu Kush. The deep rift of the Jordan and the Dead Sea broadens into the Red Sea, and continues south as the Great Rift Valley of Africa.

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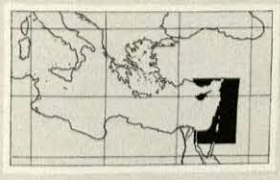
INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

SCALE: 1 INCH TO 158 MILES



THE LEVANT AND JORDAN

SYRIA AREA: *71,210 sq. miles.*
POPULATION: *5,300,000.*
CAPITAL: *Damascus.*
CURRENCY: *100 piastres=1 pound.*

LEBANON AREA: *4,000 sq. miles.*
POPULATION: *2,405,000.*
CAPITAL: *Beirut.*
CURRENCY: *100 piastres=1 pound.*

ISRAEL AREA: *7,992 sq. miles.*
POPULATION: *2,629,000.*
CAPITAL: *Jerusalem.*
CURRENCY: *100 agorot=1 pound.*

JORDAN AREA: *37,737 sq. miles.*
POPULATION: *1,976,000.*
CAPITAL: *Amman.*
CURRENCY: *1,000 fils=1 dinar.*

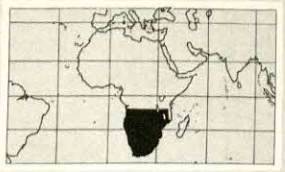
HEIGHTS IN FEET
9000
6000
3000
1500
600
300
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

SCALE IN MILES
25
50
75
100
125
150
175
200
225
250

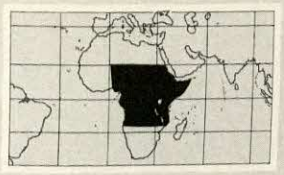
TURKEY
SYRIA
ISRAEL
JORDAN
UNITED ARAB REP. (EGYPT)
CYPRUS
MEDITERRANEAN SEA
Mersin (Icel)
İskenderun (Alexandretta)
Antakya (Antioch)
Aleppo (Halab)
Latakia (El Lādhiqīya)
Tripoli (Tarābulus esh Shām)
Beirut (Beyrouth)
Sidon (Saida)
Damascus (Dimashq)
Haifa
Tel Aviv-Yafo
Jerusalem (El Quds esh Sherif)
Amman
Gaza
Hebron
Nablus
Nazareth
Tiberias
Lake Tiberias (Sea of Galilee)
Homs
Hama
Nicosia
Famagusta
Limassol
Larnaca
Port Said
Ismailiya
Suez (El Suweis)
Aqaba
Mudawwara
Ras Burun
Khalig Tina (B. of Pelusium)
Gulf of Suez
Bitter L.
Great Bitter L.
Little Bitter L.
Lake Timsah
Morphou Bay
Famagusta Bay
Larnaca Bay
Akrotiri B.
Episkopi B.
Anamur Br.
Bagase Br.
Ovacik Br.
Tasucu Korfezi
Iskenderun Körfezi
Gavur Dağları
Amik Gölü (Orontes)
Lake Hula
Dead Sea
Sea of Galilee
Wadi Araba
Gulf of Aqaba
Jebel el Akrad
Jebel Ansariya
Jebel Shaikh (M. Hermon)
Jebel esh Sharqi
Jebel Lebanon
Jebel Ithriyat
Jebel el Tubeiq
Negev
Sinai
Edom
Jebel esh Shera
Ed Dau
El Harra
El Leja
El Jafr
Ej Juwaif
Tulul el Ashafir
Harrat es Rujeila
Jebel ed Druz
Sabkhat al Jabbul
Sabkha Maragha
Sabkha Jaira
Sabkha Shaar
Sabkha Ghadir Minger
Sabkha Ghadir Ghatti
Wadi Sirhan
Wadi Ghuweir
Wadi Hasa
Wadi Ghurra
Wadi Musheish
Wadi Araba
Wadi Firan
Wadi Arish
Wadi Ghazzeh
Wadi Jerafi
Wadi Ithm
Wadi Nimrin
Wadi Zerqa
Wadi Yabis
Wadi Yarmuk
Wadi Jarash
Wadi Kafrein
Wadi Shueib
Wadi Zarqa Main
Wadi Hisban
Wadi Mujib
Wadi Waleh
Wadi Hasa
Wadi Ghuweir
Wadi Dhirwa
Wadi Ghadhal
Wadi Muheisin
Wadi Ghuweir
Wadi Ithm
Wadi Nimrin
Wadi Zerqa
Wadi Yabis
Wadi Yarmuk
Wadi Jarash
Wadi Kafrein
Wadi Shueib
Wadi Zarqa Main
Wadi Hisban
Wadi Mujib
Wadi Waleh
Wadi Hasa
Wadi Ghuweir
Wadi Dhirwa
Wadi Ghadhal
Wadi Muheisin
Wadi Araba
Wadi Firan
Wadi Arish
Wadi Ghazzeh
Wadi Jerafi

SOUTHERN AFRICA

ZAMBIA	RHODESIA	S. WEST AFRICA	MALAWI	REP. OF S. AFRICA	BOTSWANA	MOÇAMBIQUE
AREA: *288,130 sq. m.*	AREA: *150,333 sq. m.*	AREA: *325,608 sq. m.*	AREA: *49,066 sq. m.*	AREA: *471,818 sq. m.*	AREA: *220,000 sq. m.*	AREA: *302,227 sq. m.*
POP: *3,837,000.*	POP: *4,400,000.*	POP: *574,000.*	POP: *4,042,000.*	POP: *18,298,000.*	POP: *580,000.*	POP: *6,956,000.*
CAP: *Lusaka.*	CAP: *Salisbury.*	CAP: *Windhoek.*	CAP: *Zomba.*	CAPS: *Pretoria, Cape Town.*	CAP: *Gaberones.*	CAP: *Lourenço Marques.*



ANGOLA
ZAMBIA
RHODESIA
BOTSWANA
SOUTH WEST AFRICA
REPUBLIC OF SOUTH AFRICA
MOÇAMBIQUE
SWAZILAND
LESOTHO
KALAHARI DESERT
Okavango Swamp
Etosha Pan
Victoria Falls
Kariba
Bangweulu
Mweru
Tanganyika
Nyasa
Bangweulu
Luanda
Benguela
Lobito
Mossamedes
Walvis Bay
Swakopmund
Windhoek
Lüderitz
Walfish Bay
Cape Town
Port Elizabeth
East London
Durban
Pretoria
Johannesburg
Bloemfontein
Kimberley
Salisbury
Bulawayo
Lusaka
Livingstone
Ndola
Kabwe
Broken Hill
Francistown
Serowe
Maun
Gaberones
Lourenço Marques
Beira
Quelimane
Zomba
Blantyre
Nacala
Tete
Umtali
Penhalonga
Umtali
Gwelo
Que Que
Sinoia
Bindura
Mazoe
Mrewa
Umvuma
Fort Victoria
Fort Rixon
Fort Jameson
Fort Manning
Fort Johnston
Fort Hill
Fort Rosebery
Fort Rosebery



CENTRAL AND EAST AFRICA

CONGO, KENYA, UGANDA, TANZANIA, ETHIOPIA, MADAGASCAR

ANGOLA AREA: *481,351 sq. miles.* POP: *5,154,000.* CAP: *Luanda.*
KENYA AREA: *224,960 sq. miles.* POP: *9,643,000.* CAP: *Nairobi.*

HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

SCALE: 1 INCH TO 197 MILES

MAIN ROADS
RAILWAYS

LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

76

REP. OF THE CONGO AREA: *905,380 sq. miles.* POP: (Africans only): *15,986,000.* CAP: *Kinshasa*

CAMEROON REPUBLIC AREA: *183,568 sq. miles.* POP: *5,229,000.* CAP: *Yaoundé.*

UGANDA AREA: *93,981 sq. miles.* POP: *7,740,000.* CAPS: *Kampala, Entebbe.*

TANZANIA AREA: *362,720 sq. m.* POP: *10,500,000.* CAP: *Dar es Salaam.*

ETHIOPIA AREA: *471,776 sq. miles.* POP: *23,000,000.* CAP: *Addis Ababa.*

SOMALI REPUBLIC AREA: *246,200 sq. miles.* POP: *2,500,000.* CAP: *Mogadiscio.*

MALAGASY REP. AREA: *230,036 sq. miles.* POP: *6,420,000.* CAP: *Tananarive.*

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INTERNATIONAL BOUNDARIES

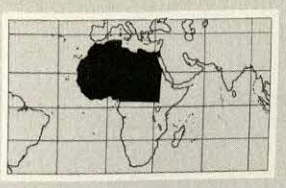
STATE BOUNDARIES

SCALE: 1 INCH TO 197 MILES

NORTH AND WEST AFRICA

MOROCCO, LIBYA, UNITED ARAB REP, SUDAN, GHANA, NIGERIA

MOROCCO AREA: *171,305 sq. miles.* POP: *13,451,000.* CAP: *Rabat.*
TUNISIA AREA: *63,380 sq. miles.* POP: *4,458,000.* CAP: *Tunis.*



HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

AÇORES (AZORES) (Portugal)
On the same scale
MADEIRA (Portugal)
ISLAS CANARIAS (CANARY ISLANDS) (Spain)
ARQUIPELAGO DE CABO VERDE (CAPE VERDE ISLANDS) (Portugal)
On the same scale

OCEAN
ATLANTIC
MEDITERRANEAN SEA
ALGERIA
MOROCCO
SPANISH SAHARA
MAURITANIA
SENEGAL
THE GAMBIA
PORTUGUESE GUINEA
GUINEA
SIERRA LEONE
LIBERIA
IVORY COAST
GHANA
TOGO
DAHOMEY
UPPER VOLTA
NIGER
MALI
TUNISIA
Grand Erg Occidental
Grand Erg Oriental
Hamada du Draa
Plateau Du Tademait
Tanezrouft
Adrar des Iforas
Ahaggar
Tassili-n-Ajjer
Hauts Plateaux
Chott ech Chergui
Chott el Hodna
Chott el Djerid
Sebkra de Chinchane
Sebkra d'Ijil
Sebkra Oum el Drouss
Sebkra de Tindouf
Sebkra Azzel Matti
Sebkra Mekerrhane
Sebkra de Niangbo
Sebkra de Teggueur
Sebkra de Timetrine
Oasis de Tidikelt
Oasis de Tabelbala
Oasis de Figuig
Oasis de Gabès
Oasis de Ouargla
Oasis de Touggourt
Oasis de Biskra
Oasis de Laghouat
Oasis de Ghardaia
Oasis de Timimoun
Oasis de Adrar
Oasis de Tessalit
Oasis de Tahoua
Oasis de Agadès
Oasis de Zinder
Oasis de Kano
Oasis de Sokoto
Oasis de Maradi
Oasis de Tillabéri
Oasis de Niamey
Oasis de Gao
Oasis de Mopti
Oasis de Bandiagara
Oasis de Timbuktu
Oasis de Goundam
Oasis de Tombouctou
Oasis de Bourem
Oasis de Ansongo
Oasis de Dori
Oasis de Fada n'Gourma
Oasis de Ouagadougou
Oasis de Bobo Dioulasso
Oasis de Sikasso
Oasis de Bamako
Oasis de Kayes
Oasis de Nioro
Oasis de Kita
Oasis de Kolokani
Oasis de Ségou
Oasis de Djenné
Oasis de Sofara
Oasis de Ouahigouya
Oasis de Banfora
Oasis de Gaoua
Oasis de Diébougou
Oasis de Dédougou
Oasis de Koudougou
Oasis de Tenkodogo
Oasis de Pô
Oasis de Léo
Oasis de Navrongo
Oasis de Wa
Oasis de Lawra
Oasis de Tamale
Oasis de Yendi
Oasis de Salaga
Oasis de Bassari
Oasis de Sansanne Mango
Oasis de Dapong
Oasis de Gambaga
Oasis de Nalerigou
Oasis de Gushiegu
Oasis de Yagaba
Oasis de Bimbila
Oasis de Kete Krachi
Oasis de Atebubu
Oasis de Kintampo
Oasis de Wenchi
Oasis de Techiman
Oasis de Bouaké
Oasis de Dabakala
Oasis de Katiola
Oasis de Séguéla
Oasis de Man
Oasis de Odienné
Oasis de Beyla
Oasis de Kissidougou
Oasis de Kankan
Oasis de Siguiri
Oasis de Bougouni
Oasis de Kolokani
Oasis de Nara
Oasis de Goumbou
Oasis de Diourbel
Oasis de Thiès
Oasis de Louga
Oasis de Saint-Louis
Oasis de Podor
Oasis de Matam
Oasis de Bakel
Oasis de Kidira
Oasis de Tambacounda
Oasis de Kaolack
Oasis de Fatick
Oasis de Sédhiou
Oasis de Ziguinchor
Oasis de Bissau
Oasis de Bafatá
Oasis de Gabú
Oasis de Boké
Oasis de Labé
Oasis de Mamou
Oasis de Dabola
Oasis de Kindia
Oasis de Conakry
Oasis de Forécariah
Oasis de Freetown
Oasis de Port Loko
Oasis de Magburaka
Oasis de Kenema
Oasis de Bo
Oasis de Moyamba
Oasis de Bonthe
Oasis de Pujehun
Oasis de Zwedru
Oasis de Harper
Oasis de Robertsport
Oasis de Monrovia
Oasis de Buchanan
Oasis de Greenville
Oasis de Sasstown
Oasis de Grand Bassam
Oasis de Assinie
Oasis de Grand Lahou
Oasis de Abidjan
Oasis de Bingerville
Oasis de Sassandra
Oasis de San Pedro
Oasis de Tabou
Oasis de Grand Half
Oasis de Axim
Oasis de Sekondi
Oasis de Takoradi
Oasis de Cape Coast
Oasis de Accra
Oasis de Winneba
Oasis de Saltpond
Oasis de Keta
Oasis de Ada
Oasis de Lome
Oasis de Anecho
Oasis de Porto Novo
Oasis de Cotonou
Oasis de Popo
Oasis de Lagos
Oasis de Ibadan
Oasis de Abeokuta
Oasis de Ondo
Oasis de Ife
Oasis de Oshogbo
Oasis de Ilorin
Oasis de Oyo
Oasis de Ogbomosho
Oasis de Abuja
Oasis de Kaduna
Oasis de Zaria
Oasis de Kano
Oasis de Katsina
Oasis de Maradi
Oasis de Zinder
Oasis de Agadès
Oasis de Tahoua

LIBYA AREA: *679,358 sq. miles.* POP: *1,677,000.* CAPS: *Tripoli, Benghazi.*
UNITED ARAB REP. AREA: *386,198 sq. m.* POP. *30,147,000.* CAP: *Cairo.*

SUDAN AREA: *967,500 sq. miles.* POP: *13,940,000.* CAP: *Khartoum.*
NIGERIA AREA: *356,668 sq. miles.* POP *57,500,000.* CAP: *Lagos.*

GHANA AREA: *92,100 sq. miles.* POP: *7,945,000.* CAP: *Accra.*
LIBERIA AREA: *43,000 sq. miles.* POP: *1,090,000.* CAP: *Monrovia.*

SIERRA LEONE AREA: *27,699 sq. mile.* POP: *2,403,000.* CAP: *Freetown.*
ALGERIA AREA: *919,591 sq. miles.* POP: *12,102,000.* CAP: *Algiers.*

SCALE IN MILES
100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

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INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

SCALE: 1 INCH TO 197 MILES

CANADA

AREA: *3,851,809 sq. miles.* POPULATION: *19,919,000.*
CAPITAL: *Ottawa.* CURRENCY: *100 cents=1 dollar.*
From the mountains of Alberta and British Columbia in the west, the land slopes down towards Hudson Bay in the north-east and then rises slightly again to the east in Quebec Province. Most of the rivers and vast lake areas (the inland water area of Canada is over 291,500 square miles) follow this north-east trend, the lakes

HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

CONIC PROJECTION

SCALE: 1 INCH TO 197 MILES

MAIN ROADS
RAILWAY

themselves lying in deep depressions grooved out by the passage of the Ice Cap which once covered the whole country. The foothills of the Rocky Mountain system, of which the mountains of western Canada form part, reach down to the sea in the west, where the coast is fringed with many islands and inlets. To the east of the Rockies and towards the Hudson Bay lowlands stretch the Great Plains. A small area of the Yukon Territory and a large part of the North-West Territories and the archipelago to the north of them lie well within the Arctic Circle. The population of these northern lands is sparse. The most densely populated areas of Canada lie within 200 miles of the southern border.

SCALE IN MILES

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

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INTERNATIONAL BOUNDARIES

PROVINCE BOUNDARIES

SCALE: 1 INCH TO 197 MILES

GULF OF ST. LAWRENCE

The Gulf of St. Lawrence and the St. Lawrence River have for long been of great importance as a means of access to Canada's interior. In April 1959 a 27-foot channel from Montreal to Lake Erie was opened, thus extending the old waterway (now the St. Lawrence Seaway) to a length of 2,342 miles and enabling ocean-going vessels to navigate from the Atlantic to Duluth at the western end of Lake Superior.

HEIGHTS IN FEET
3000
1500
600
300
SEA LEVEL
150
600
6000
DEPTHS IN FEET

Bonne's Projection

SCALE: 1 INCH TO 79 MILES

INTERNATIONAL BOUNDARIES
PROVINCE AND STATE BOUNDARIES

GREAT LAKES

These lakes, the greatest body of fresh water in the world, have a total area of approximately 95,000 square miles, and as a region of inland navigation they are unparalleled. Lake Michigan is entirely in the United States, while the other lakes are shared between the United States and Canada.

SCALE IN MILES

50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800

BONNE'S PROJECTION

MAIN ROADS

RAILWAYS

SCALE: 1 INCH TO 79 MILES

UNITED STATES OF AMERICA

AREA: *3,615,212 sq. miles.* POPULATION: *196,842,000.* CAPITAL: *Washington, D.C.* CURRENCY: *100 cents=1 dollar.*
The United States can be divided into six

HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

HAWAII
SCALE : 1 INCH TO 98 MILES
0 50 100 Miles

SAN FRANCISCO
1 INCH TO 6 MILES

CONIC PROJECTION

SCALE: 1 INCH TO 197 MILES

MAIN ROADS
RAILWAYS

north–south sections. Reading the map from east to west, these are—a broad plain edging the Atlantic; the Appalachian Mountains; the Mississippi Basin; the Great Plains; the Rocky Mountains, and beyond, and along the Pacific coast, more mountains interspersed with fertile valleys. The state of Alaska, in the extreme north-west, is separated from the main body of the land by Western Canada. The northern part of the State lies within the Arctic Circle, and to the west it is separated from the U.S.S.R. by the Bering Strait. Hawaii consists of 20 islands (eight inhabited) in the North Pacific some 2,000 miles from San Francisco.

SCALE IN MILES
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
Longitude West 90° of Greenwich
ATLANTIC OCEAN
GULF OF MEXICO
Bermudas
Tropic of Cancer
BAHAMA ISLANDS
Gulf of St. Lawrence
Cabot Str.
Bay of Fundy
Hudson Bay
Lake Superior
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
Great Lakes
Mississippi Basin
Appalachian Mountains
Great Plains
Rocky Mountains
Plateau
Florida Keys
Florida Reefs
Delta of the Mississippi
Aleutian Is.
Bering Sea
Chukchi Sea
Arctic Circle
Tropic of Cancer
Mackenzie Bay
Great Bear Lake
Great Slave Lake
Mackenzie R.
Yukon R.
Brooks Range
Koryakskiy Khrebet
Anadyr Gulf
Bering Strait
St. Lawrence I.
Kuskokwim B.
Bristol Bay
Cook Inlet
Gulf of Alaska
Prince William Sd.
Alaska Range
Mt. McKinley
Mt. Logan
Mt. Wrangell
Mt. St. Elias
Mt. Fairweather
Aleutian Is.
Unimak I.
Dutch Harbor
Pribilof Is.
St. Paul I.
St. George I.
Kodiak I.
Shumagin Is.
Alaska Peninsula
Queen Charlotte Is.
Prince of Wales I.
Baranof I.
Chichagof I.
Admiralty I.
Sitka
Juneau
Skagway
Whitehorse
Dawson
Fairbanks
Nome
Kotzebue
Point Hope
Barrow
Wainwright
Lisburne Pen.
Chukotskiy Pen.
Anadyr R.
Koryakskiy Khrebet
Mys Olyutorskiy
Beringovskiy
St. Lawrence I.
St. Matthew I.
Nunivak I.
Hall I.
Pribilof Is.
Unimak I.
Aleutian Is.
Andreanof Is.
Rat Is.
Near Is.
Attu I.
Shemya I.
Aleutian Range
Endicott Mts.
Brooks Range
Noatak R.
Kobuk R.
Koyukuk R.
Yukon R.
Tanana R.
Porcupine R.
Peel R.
Liard R.
Fort Nelson
Fort St. John
Dawson Creek
Prince George
Prince Rupert
Vancouver I.
Queen Charlotte Is.
Graham I.
Moresby I.
Ketchikan
Metlakatla
Wrangell
Petersburg

MIDDLE ATLANTIC STATES

The Atlantic seaboard in this north-east area of the United States is flanked by lowlands. The broken coastline is deeply penetrated by Chesapeake, Delaware and Narragansett Bays. To the west and north of the lowlands lie the Appalachian, Catskill and Adirondack Mountains, while to the north-west is the Allegheny Plateau. To the south is Washington, in the District of Columbia, the seat of the U.S. Federal Government.

HEIGHTS IN FEET
3000
1500
600
300
SEA LEVEL
150
300
600
DEPTHS IN FEET

SCALE IN MILES
25
50
75
100
125
150
175
200
225
250

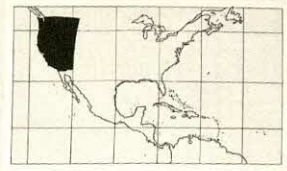
CONIC PROJECTION

SCALE: 1 INCH TO 39 MILES

MAIN ROADS
RAILWAYS

PACIFIC COAST

The map shows the States of Washington, Oregon, California and Nevada. The Coast Ranges on the west are separated by the Willamette Valley and the Central Valley of California from the Cascade Mountains and the Sierra Nevada. Beyond lies an extensive area of high basins, plateaux and ranges.



HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
300
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

SCALE IN MILES
50
100
150
200
250
300
350
400
450

87

BONNE'S PROJECTION

INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

SCALE: 1 INCH TO 79 MILES

MEXICO GUATEMALA, HONDURAS, BRITISH HONDURAS, EL SALVADOR

MEXICO AREA: *761,600 sq. miles.* POP: *44,145,000.* CAP: *Mexico City.*
GUATEMALA AREA: *42,042 sq. miles.* POP: *4,575,000.* CAP: *Guatemala City.*
HONDURAS AREA: *43,277 sq. miles.* POP: *2,363,000.* CAP: *Tegucigalpa.*

BRITISH HONDURAS AREA: *8,867 sq. miles.* POP: *109,000.* CAP: *Belize.*
EL SALVADOR AREA: *8,260 sq. miles.* POP: *3,037,000.* CAP: *San Salvador.*

HEIGHTS IN FEET
12,000
9000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

BONNE'S PROJECTION

SCALE: 1 INCH TO 158 MILES

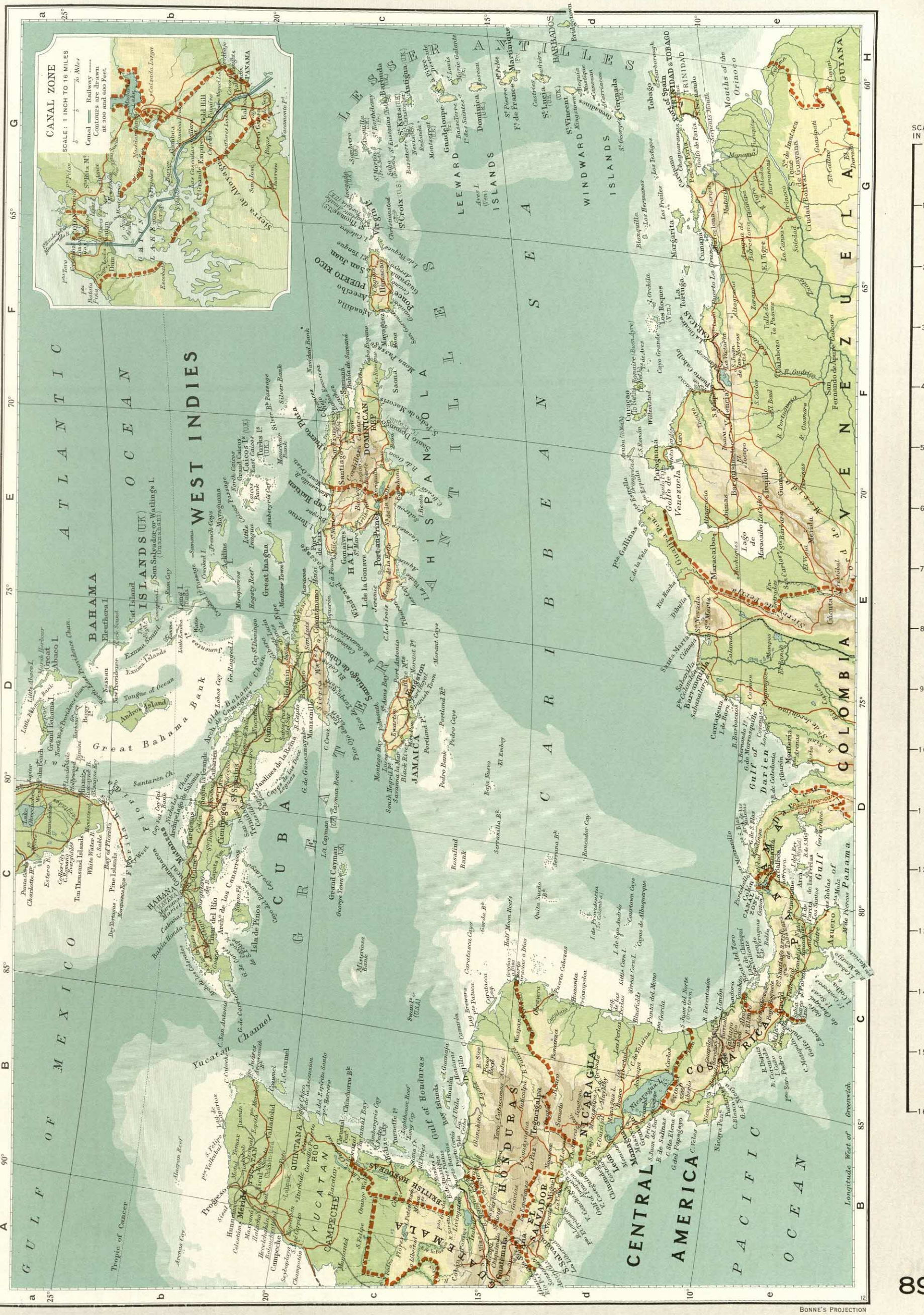
INTERNATIONAL BOUNDARIES
STATE BOUNDARIES

WEST INDIES AND THE PANAMA CANAL

THE CARIBBEAN

NICARAGUA AREA: *57,143 sq. miles.* POPULATION: *1,655,000.* CAP: *Managua.*
COSTA RICA AREA: *19,695 sq. miles.* POPULATION: *1,486,000.* CAP: *San José.*
PANAMA AREA: *28,575 sq. miles.* POPULATION: *1,287,000.* CAP: *Panama City.*

CUBA AREA: *44,218 sq. miles.* POPULATION: *7,833,000.* CAP: *Havana.*
JAMAICA AREA: *4,232 sq. miles.* POPULATION: *1,839,000.* CAP: *Kingston.*



BONNE'S PROJECTION

MAIN ROADS
RAILWAYS

SCALE: 1 INCH TO 158 MILES

SOUTH AMERICA-NORTH

BRAZIL, PERU, ECUADOR, COLOMBIA, VENEZUELA

BRAZIL AREA: *3,286,170 sq. miles.* POPULATION: *84,679,000*.*
CAPITAL: *Brasilia.*
BOLIVIA AREA: *424,163 sq. miles.* POPULATION: *3,748,000.*
CAPITAL: *La Paz.*

HEIGHTS IN FEET
16,000
12,000
10,000
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

CARIBBEAN SEA
PACIFIC OCEAN
COLOMBIA
VENEZUELA
ECUADOR
PERU
BOLIVIA
GUYANA
PANAMA
Gulf of Panama
Gulf of Guayaquil
Lake Titicaca
Trinidad
Port of Spain
TRINIDAD & TOBAGO
Caracas
Maracaibo
Barranquilla
Cartagena
Medellín
Bogotá
Cali
Quito
Guayaquil
Cuenca
Lima
Arequipa
Trujillo
Chiclayo
Iquitos
Manaus
La Paz
Cochabamba
Santa Cruz
Sucre
Potosí
Oruro
Tarija
Antofagasta
Arica
Iquique
Tocopilla
Panamá
Colón
Cristóbal
Balboa
Buenaventura
Tumaco
Pasto
Popayán
Ibagué
Manizales
Pereira
Armenia
Cúcuta
Bucaramanga
Barquisimeto
Valencia
Maracay
Coro
Maracaibo
Puerto Cabello
La Guaira
Cumaná
Barcelona
Maturín
Ciudad Bolívar
Puerto Ordaz
Willemstad
Oranjestad
Curaçao
Bonaire
Aruba
Los Roques
Orchila
Margarita
Tobago
Grenadines
Grenada
St. George's
Kingstown
Port of Spain
Georgetown
Paramaribo
Boa Vista
Macapá
Belém
Fortaleza
Natal
Recife
Salvador
Belo Horizonte
Rio de Janeiro
São Paulo
Brasília
Goiânia
Cuiabá
Campo Grande
Porto Alegre
Curitiba
Florianópolis
Rio Branco
Porto Velho
Cruzeiro do Sul
Tarapoto
Iquitos
Pucallpa
Huancayo
Ayacucho
Cuzco
Puno
Arequipa
Moquegua
Tacna
Iquique
Antofagasta
Tocopilla
Calama
Oruro
Potosí
Sucre
Tarija
Santa Cruz
Cochabamba
La Paz
Puerto Maldonado
Rio Branco
Cobija
Guajará-Mirim
Porto Velho
Manaus
Tefé
Tabatinga
Leticia
Puerto Nariño
Puerto Inírida
Puerto Ayacucho
Ciudad Guayana
Maracaibo
Mérida
San Cristóbal
Barinas
Guanare
Valera
Trujillo
Barquisimeto
Coro
Punto Fijo
Maracaibo
Riohacha
Santa Marta
Barranquilla
Cartagena
Montería
Sincelejo
Valledupar
Bucaramanga
Cúcuta
Pamplona
Tunja
Duitama
Sogamoso
Girardot
Ibagué
Neiva
Florencia
Mocoa
Pasto
Tumaco
Buenaventura
Cali
Popayán
Manizales
Pereira
Armenia
Medellín
Montería
Quibdó
Apartadó
Turbo
Necoclí
Panamá
Colón
Chitré
Santiago
David
Puerto Limón
Golfo de Urabá
Golfo de Morrosquillo
Golfo de Venezuela
Golfo de Paria
Golfo de Guinea
Lago de Maracaibo
Lago de Valencia
Lago Titicaca
Salar de Uyuni
Salar de Atacama
Río Amazonas
Río Orinoco
Río Negro
Río Madeira
Río Tapajós
Río Xingu
Río Tocantins
Río São Francisco
Río Paraná
Río Paraguay
Río Uruguay
Río Magdalena
Río Cauca
Río Putumayo
Río Caquetá
Río Napo
Río Marañón
Río Ucayali
Río Pilcomayo
Río Bermejo
Río Grande
Río Pilcomayo
Río Iguazú
Río Paraguay
Río Uruguay
Río Negro
Río Colorado
Río Chubut
Río Deseado
Río Santa Cruz
Río Gallegos
Río Chico
Río Grande
Río Pilcomayo
Río Bermejo
Río Salado
Río Dulce
Río Paraná

PERU AREA: *496,222 sq. miles.* POP: *12,012,000**. CAPITAL: *Lima.*
ECUADOR AREA: *104,506 sq. miles.* POPULATION: *5,326,000**. CAP: *Quito*

COLOMBIA AREA: *455,355 sq. miles.* POPULATION: *18,068,000.* CAPITAL: *Bogotá.*
VENEZUELA AREA: *352,143 sq. miles.* POPULATION: *9,030,000**. CAP: *Caracas.*

GUYANA AREA: *83,000 sq. miles.* POPULATION: *665,000.* CAPITAL: *Georgetown.*
SURINAM AREA: *55,000 sq. miles.* POPULATION: *345,000.* CAPITAL: *Paramaribo.*

FRENCH GUIANA AREA: *35,100 sq. miles.* POPULATION: *37,000.* CAPITAL: *Cayenne.*

*Figure excludes Indian jungle population.

SCALE IN MILES
100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

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INTERNATIONAL BOUNDARIES
STATE AND PROVINCIAL BOUNDARIES

SCALE: 1 INCH TO 197 MILES

SOUTH AMERICA-SOUTH

ARGENTINA, CHILE, PARAGUAY, URUGUAY

ARGENTINA AREA: *1,072,646 sq. miles.*
POPULATION: *22,691,000.*
CAPITAL: *Buenos Aires.*

CHILE AREA: *286,397 sq. miles.*
POPULATION: *8,591,000.*
CAPITAL: *Santiago.*

PARAGUAY AREA: *157,047 sq. miles.*
POPULATION: *2,094,000.*
CAPITAL: *Asunción.*

URUGUAY AREA: *72,172 sq. miles*
POPULATION: *2,749,000.*
CAPITAL: *Montevideo.*

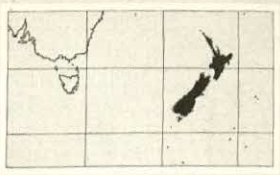
LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

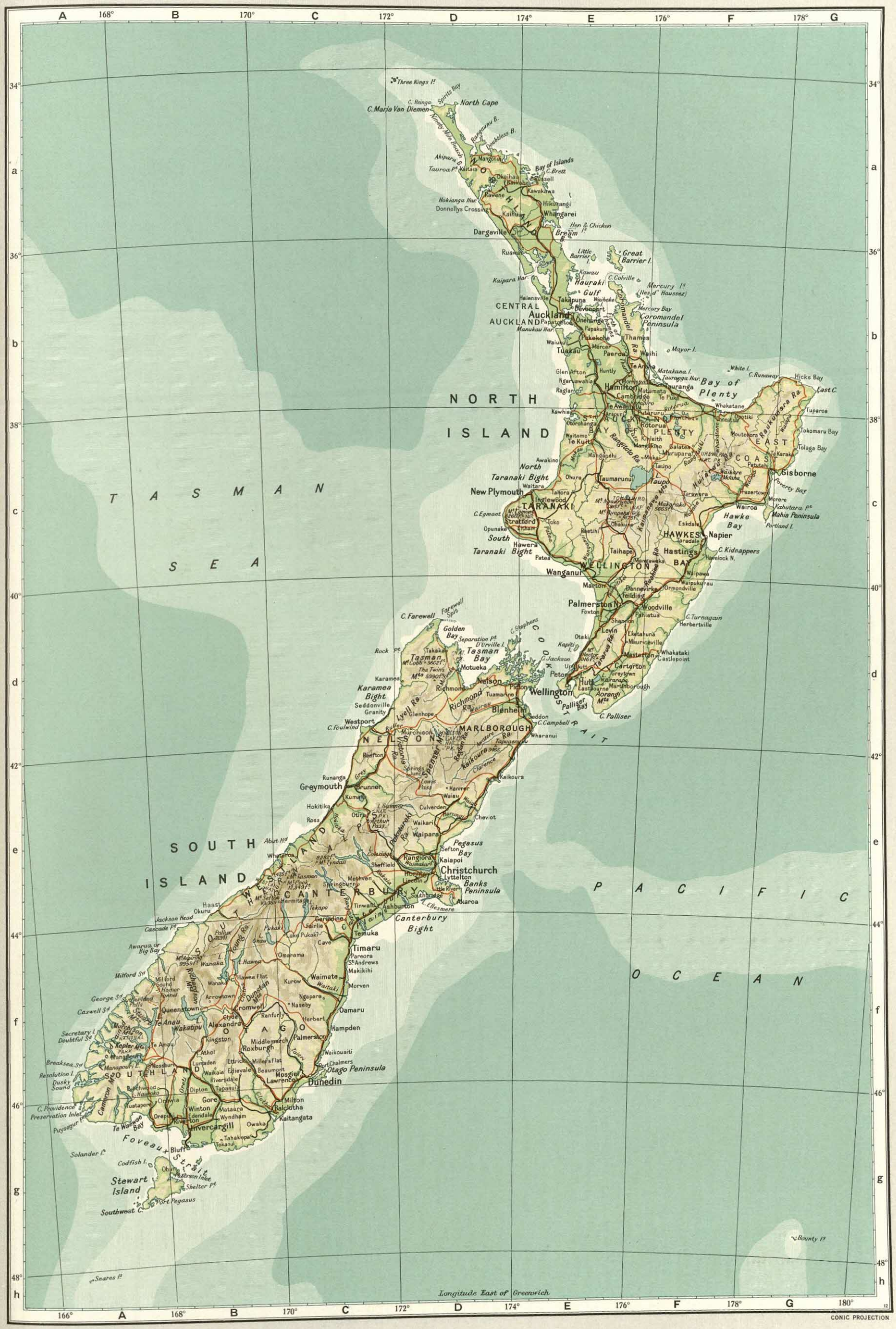
SCALE: 1 INCH TO 197 MILES

INTERNATIONAL BOUNDARIES
PROVINCIAL BOUNDARIES
MAIN ROADS
RAILWAYS

NEW ZEALAND

AREA: *103,736 sq. miles.* POP: *2,676,000.* CAPITAL: *Wellington.* CURRENCY: *100 cents=1 dollar.* New Zealand includes North Island and South Island, the considerably smaller Stewart Island to the south, and a number of minor islands. The main islands are mountainous with rich coastal plains. North Island has volcanic peaks and hot springs. South Island includes the Southern Alps (Mount Cook 12,349 ft.) and the Tasman Glacier.





HEIGHTS IN FEET
6000
3000
1500
600
SEA LEVEL
150
600
6000
DEPTHS IN FEET

SCALE IN MILES
50
100
150
200
250
300
350
400
450
500

CONIC PROJECTION

SCALE: 1 INCH TO 79 MILES

AUSTRALIA

AREA: *2,971,081 sq. miles.* POPULATION: *11,541,000* (excluding full-blooded aborigines). CAP: *Canberra.* Australia, the largest island in the world, comprises six States and two Territories. Although two-fifths of Australia lie within the Tropic of Capricorn, the general climate is more temperate than that of corresponding regions in other parts of the world. Despite its great deserts, the country has vast

HEIGHTS IN FEET
9000
6000
3000
1500
600
SEA LEVEL
Depression
150
600
6000
DEPTHS IN FEET

94

BONNE'S PROJECTION

SCALE: 1 INCH TO 197 MILES

MAIN ROADS
RAILWAYS
ARTESIAN BASINS

acreages of fertile and well-watered land. Reading the map from east to west, one sees a narrow strip of fertile coastland, beyond which mountain ranges reach from Melbourne in the south right up to the Cape York Peninsula. These mountains, the Great Dividing Range, form a natural division between the coastal land and a fertile tableland, which is flanked on the west by an extensive inland plain. North of Spencer Gulf lies the Lake Eyre Basin, an inland drainage basin partly below sea level into which the rivers from the eastern plateau drain. Farther westwards, poorly watered plains give way to enormous deserts. Another strip of watered fertile land lies in the extreme south-west.

135° G 140° H 145° J 150° K 155° L
NEW GUINEA
PAPUA
Huon Pen.ª
Lae
Finschhafen
NEW BRITAIN
SOLOMON ISLANDS
Bougainville I.
Choiseul I.
SOLOMON SEA
Buka
Sohano
Kieta
Vella Lavella
Ganongga
Kolombangara
New Georgia
Santa Isabel I.
Rendova
Gizo
Russel Is
Tulagi
Honiara
Guadalcanal I.
Louisiade Arch
Rossel I.
Rennell I.
Trobriand or Kiriwina Is
Kiriwina
Goodenough I.
Fergusson I.
Normanby I.
D'Entrecasteaux Islands
Woodlark I.
Milne B.
Samarai
Tufi
Buna
Kokoda
Owen Stanley Ra.
Abau
Port Moresby
Gulf of Papua
Kikori
Wau
Salamaua
Morobe
Kerema
Mt Albert Edward 13,300 ft
Mt Victoria 13,240 ft
Aird I.
Daru
Saibai
Great N.E. Passage
Boigu
Strachan I.
Kiwai I.
Wabuda
Gaima
Merauke
Komoran
Fly
Frederik Hendrik I. (Kolepom)
Mappi (Mapi)
Digul
De Jong's Pte
Durga St.
Arkoki
Jervis I.
Banks I.
Torres Strait
Thursday I.
Pr. of Wales I.
C. York
Somerset
Wessel Is
C. Arnhem
Duifken Pt.
Weipa
C. Grenville
C. Direction
Cape York Peninsula
Archer
Coen
Princess Charlotte B.
C. Melville
Cook's Passage
C. Flattery
Musgrave
Cooktown
Laura
Mitchell River
Mitchell
Walsh
Port Douglas
Cairns
Gordonvale
Innisfail
Mareeba
Atherton
Atherton Plateau
Mt Bartle Frere 5287 ft
Tully
Cardwell
Palm Is
Flinders Passage
Halifax Bay
Magnetic I.
Ingham
Townsville
Ayr
Bowen
Hayman I.
Whitsunday I.
Proserpine
Repulse B.
Mt Dalrymple 4190 ft
Mackay
Sarina
Northumberland Is
C. Manifold
Capricorn Channel
Rockhampton
Teppoon
Heron I.
Gladstone
Tropic of Capricorn
Bundaberg
Hervey B.
Sandy C.
Fraser or Gt Sandy I.
Maryborough
Gympie
Cooroy
Moreton B.
Brisbane
Toowoomba
Ipswich
Sandgate
Southport
Tweed Heads
Lismore
Grafton
Coff's Harbour
Kempsey
Port Macquarie
Taree
C. Hawke
Lord Howe I.
Newcastle & Port Hunter
Parramatta
Port Jackson
Sydney
Wollongong
Port Kembla
Jervis B. (Commonwealth Terr.)
CANBERRA (Aus. Capital Terr.)
Mt Kosciusko 7316 ft
Australian Alps
Bega
Bombala
Orbost
Bairnsdale
C. Howe
Ninety Mile Beach
Port Albert
Woodside
Wilson's Promy
Bass Strait
King I.
Flinders I.
C. Barren I.
Furneaux Group
Hunter Is
C. Grim
Smithton
Burnie
Banks Str.
Devonport
Scottsdale
Launceston
Legges Tor 5160 ft
St Marys
Swansea
Oyster B.
Cradle Mt 5069 ft
Mt Ossa 6230 ft
Queenstown
Strahan
Macquarie Harb.
TASMANIA
New Norfolk
Hobart
Sorell
Franklin
Bruny I.
South West C.
Catamaran
South East C.
Tasman Sea
Coringa Is
Willis Group
Chesterfield Is (Fr.)
Reef
Pacific Ocean
Arafura Sea
Gulf of Carpentaria
Groote Eylandt
Limmen Bight
Roper
Urapunga
Sir Edward Pellew Group
Borroloola
Larrimah
Dunmara
Mornington I.
Wellesley Is
Carpentaria
Barkly Tableland
Newcastle Waters
Elliot
Anthony Lagoon
Burketown
Normanton
Gilbert
Brunette Downs
Stuart Highway
Frewena
Creek
McDouall Ra.
Soudan
Camooweal
Wurung
Lawn Hill
Flinders
Croydon
Georgetown
Forsayth
Gregory Ra.
Gilberton
Dobbyn
Wanchope
Davenport Ra.
Barrow Creek
Lake Nash
Mt Isa
Gloncurry
Julia Creek
Richmond
Charters Towers
Mary Kathleen
Selwyn Ra.
Selwyn
Kynuna
Hughenden
Prairie
Great Dividing Range
L. Buchanan
Urandangie
Dajarra
Georgina
Tea Tree
Ailerón
Jervois Ra.
Collingwood
Winton
Boulia
Belyando
L. Galilee
Arramac
Clermont
Marlborough
St Lawrence
Sarina
Ranges
Arltunga
Alice Springs
Bedourie
Diamantina
Great Simpson Desert
L. Philippi
Bundooma
Finke
Kulgera
Birdsville
Eyre Cr.
Monkira
Betts Ra.
Windorah
Jundah
Yaraka
Thomson
Isisford
Barcoo
Blackall
Tambo
Springsure
Expedition Ra.
Mt Moffatt
Biloela
Theodore
Dawson
Taroom
Wandoan
Murgon
Kingaroy
Miles
Roma
Mitchell
Morven
Charleville
Quilpie
Yamma Yamma
Lake Eyre Basin
Oodnadatta
Mt Dutton
Peera Peera Poolanna
Clifton Hills
Warburton
Coopers Cr.
L. Eyre
Etadurma
L. Gregory
Strangways Spr.
L. Blanche
Marrée
Bopeechee
L. Callabonna
Milparinka
Wanaaring
Barringun
Bourke
Louth
Cobar
Nyngan
Coonamble
Gunnedah
Walgett
Narrabri
Brewarrina
Bulloo Cr.
Thargomindah
Warrego
Wyandra
Augathella
Injune
Roma
Sunnybank
Dalby
Toowoomba
Darling Downs
Moonie
St George
Ballon
Gunnamulla
Goondiwindi
Dirranbandi
Culgoa
Barwon
Moree
Glenmuir
Inverell
Tenterfield
Casino
Warwick
Stanthorpe
Macpherson Ra.
Mt Lindesay 4640 ft
Ben Lomond 4961 ft
Round Mt 4300
Armidale
Tamworth
Black Stairs 4900 ft
Mt Barrington 5200 ft
Liverpool Range
Oxleys Pk 4500 ft
Dubbo
Muswellbrook
Mudgee
Maitland
Cessnock
Orange
Bathurst
Lithgow
Forbes
Lachlan
Hillston
Condobolin
Parkes
Cowra
Katoomba
Liverpool
Young
Picton
Goulburn
Tarcoola
L. Torrens
L. Everard
L. Gairdner
Ceduna
Woomera
Leigh Cr.
L. Frome
Flinders Ra.
Main Barrier Ra.
St Mary Pk 3900 ft
Broken Hill
Wilcannia
Cockburn
Olary
Gawler Ranges
Iron Knob
Whyalla
Streaky Bay
Port Augusta
Menindee
Peterborough
Port Pirie
Cowell
Eyre Pen.
Spencer Gulf
Pt Augusta
Pt Lincoln
Cummins
Wallaroo
Moonta
Morgan
Renmark
Wentworth
Mildura
Murray River
Riverina
Basin
Hay
Griffith
Cootamundra
Narrandera
Balranald
Murrumbidgee
Junee
Albury
Deniliquin
Berang
Swan Hill
Kerang
Echuca
Nhill
Charlton
Bendigo
Shepparton
Wangaratta
Benalla
Mt Buffalo 6476 ft
Mt Bogong 6508 ft
Mt Kosciusko 7316 ft
Australian Alps
Bega
Bombala
Orbost
Bairnsdale
Sale
Traralgon
Woodside
Port Albert
Ninety Mile Beach
C. Howe
Wonthaggi
Port Phillip
C. Otway
Warrnambool
Colac
Geelong
Portland
Dergholm
Hamilton
Ballarat
Beachport
Millicent
Mt Gambier
Victoria
Melbourne
Kingston
Naracoorte
Virgil
Maryborough
Castlemaine
Horsham
Bordertown
Kangaroo I.
Encounter Bay
Investigator Str.
Yorke Pen.
Adelaide
Victor Har.
Alexandrina
Murray
Gulf St Vincent
Port Elizabeth
Mt Lofty Ra.
Lake Alexandrina
Lake Albert
Whyalla
Iron Knob
Streaky Bay
Ceduna
Kyancutta

INDIAN OCEAN

With an area of 28,350,000 square miles, the Indian Ocean is the third largest ocean in the world. It extends from the Indian Cape Comorin down to the Antarctic Continent, and in an east-west direction from Australia to Africa. A remarkable feature of this area is the central ridge of shallower water running down almost to the Antarctic Continent, somewhat similar to that in the Atlantic but with no counterpart in the Pacific.

HEIGHTS IN FEET
20,000
12,000
6000
3000
600
SEA LEVEL
Depressions
600
3000
6000
9000
12,000
16,000
20,000
DEPTHS IN FEET

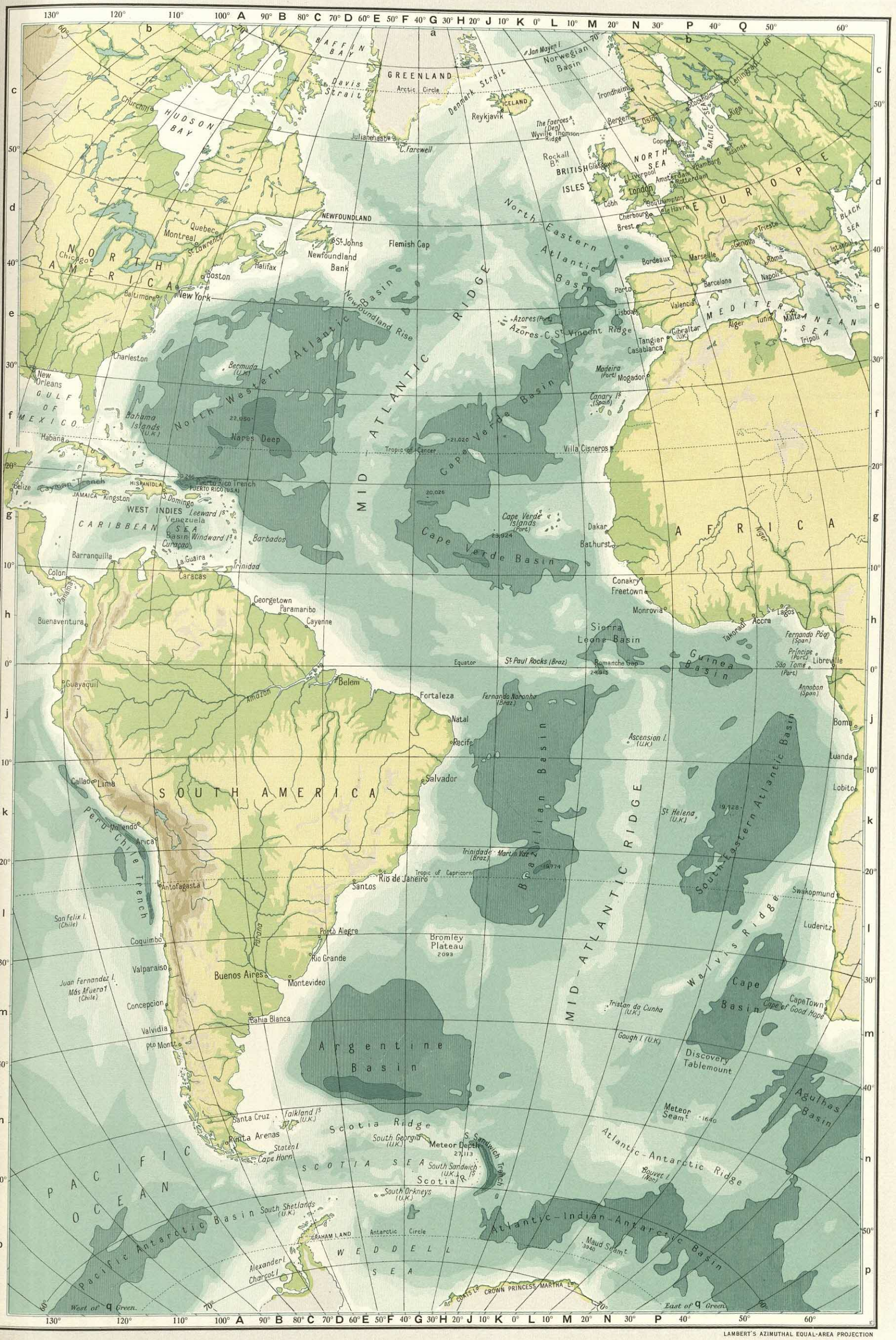
SCALE IN MILES
250
500
750
1000
1250
1500
1750
2000
2250
2500
2750
3000

LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

SCALE: 1 INCH TO 632 MILES

ATLANTIC OCEAN

The Atlantic Ocean has an area of 31,839,306 square miles, and an average depth of 13,880 feet. It has the largest drainage area of all the oceans. Running southwards from Iceland to within a short distance of Antarctica is a well-defined central ridge, the curve of which follows the line of the African coast. Only the surface water on either side of this submarine barrier can cross it.


NORTH AMERICA
SOUTH AMERICA
EUROPE
AFRICA
PACIFIC OCEAN
MID-ATLANTIC RIDGE
GREENLAND
ICELAND
BRITISH ISLES
BAFFIN BAY
HUDSON BAY
Davis Strait
Denmark Strait
Norwegian Basin
NORTH SEA
BALTIC SEA
BLACK SEA
MEDITERRANEAN SEA
GULF OF MEXICO
CARIBBEAN SEA
SCOTIA SEA
WEDDELL SEA
Arctic Circle
Tropic of Cancer
Tropic of Capricorn
Equator
Antarctic Circle
North Eastern Atlantic Basin
Newfoundland Basin
North Western Atlantic Basin
Cape Verde Basin
Guinea Basin
Sierra Leone Basin
Brazilian Basin
South Eastern Atlantic Basin
Cape Basin
Argentine Basin
Scotia Ridge
Atlantic-Antarctic Ridge
Atlantic-Indian-Antarctic Basin
Pacific Antarctic Basin
Walvis Ridge
Azores-C. St. Vincent Ridge
Newfoundland Rise
Flemish Cap
Newfoundland Bank
Bermuda (U.K.)
Bahama Islands (U.K.)
Nares Deep
Puerto Rico Trench
Cayman Trench
Peru-Chile Trench
South Sandwich Trench
Romanche Gap
Bromley Plateau
Discovery Tablemount
Meteor Seamt
Maud Seamt
Rockall Bk.
Faeroes (Den.)
Wyville Thomson Ridge
Jan Mayen I.
Azores (Port.)
Madeira (Port.)
Canary Is (Spain)
Cape Verde Islands (Port.)
St. Paul Rocks (Braz.)
Fernando Noronha (Braz.)
Trinidade (Braz.)
Martin Vaz
Ascension I. (U.K.)
St. Helena (U.K.)
Tristan da Cunha (U.K.)
Gough I. (U.K.)
Bouvet I. (Norw.)
Falkland Is (U.K.)
South Georgia (U.K.)
South Sandwich Is (U.K.)
South Orkneys (U.K.)
South Shetlands (U.K.)
San Felix I. (Chile)
Juan Fernandez I. (Chile)
Más Afuera I. (Chile)
Fernando Póo (Span.)
Principe (Port.)
São Tomé (Port.)
Annobon (Span.)
Canary Is (Spain)
Cape Verde Islands (Port.)
Meteor Depth 27,113
Romanche Gap 24,915
Nares Deep 22,950
Puerto Rico Trench 30,246
Cape Verde Basin 21,020
Cape Verde Basin 20,026
Cape Verde Basin 23,924
Newfoundland Basin 19,728
Brazilian Basin 19,774
Sierra Leone Basin 19,728
Cape Basin 19,728
Argentine Basin 19,774
Bromley Plateau 2093
Meteor Seamt 1640
Maud Seamt 3940
Scotia Ridge 27,113
Atlantic-Antarctic Ridge 19,728
Atlantic-Indian-Antarctic Basin 19,728
Pacific Antarctic Basin 19,774
Walvis Ridge

PACIFIC OCEAN

The Pacific, in area some 63,986,000 sq. miles, is the largest of the oceans. It is more than twice the size of the Atlantic, the next largest ocean, and occupies nearly half the Earth's surface. In the north it is almost landlocked, its only outlet to the Arctic Ocean being through the Bering Strait. It stretches 9,455 miles from this

HEIGHTS IN FEET
12,000
6000
3000
600
SEA LEVEL
Depression
600
3000
6000
9000
12,000
16,000
20,000
DEPTHS IN FEET

WAKE (To U.S.A.)
TRUK (To U.S.A.)
KWAJALEIN (To U.S.A.)
OCEAN I. (To U.K.)
YAP (To U.S.A.)
PALAU IS. (To U.S.A.)
GUAM (To U.S.A.)
NAURU (To Aust.)
CANTON I. (To U.K. & U.S.A.)
VANUA LEVU (FIJI) (To U.K.)
VITI LEVU (FIJI) (To U.K.)
FANNING I. (To U.K.)

U. S. S. R.
SEA OF OKHOTSK
BERING SEA
Aleutian Basin
ALEUTIAN IS.
KURIL TRENCH
ALEUTIAN TRENCH
SEA OF JAPAN
KOREA
JAPAN
JAPAN TRENCH
CHINA
EAST CHINA SEA
YELLOW SEA
TAIWAN (FORMOSA)
Ryukyu Ridge
Bonin Ridge
Emperor Seamounts
Mellish Bank
MIDWAY IS.
HAWAIIAN IS
Hawaiian Ridge
MARCUS-NECKER RISE
Magellan Seamounts
PHILIPPINES
LUZON
MINDANAO
SOUTH CHINA SEA
Philippine Trench
MARIANAS
Marianas Trench
Challenger Deep
MICRONESIA
MARSHALL ISLANDS (To U.S.A.)
CAROLINE ISLANDS (To U.S.A.)
MELANESIA
NEW GUINEA
SOLOMON ISLANDS
BISMARCK ARCHIPELAGO
BORNEO
CELEBES
INDONESIA
MALAYSIA
SULU SEA
CELEBES SEA
MOLUCCA SEA
ARAFURA SEA
TIMOR SEA
CORAL SEA
AUSTRALIA
Great Barrier Reef
Great Australian Bight
TASMANIA
NEW ZEALAND
North I.
South I.
Chatham Rise
Kermadec Trench
Tonga Trench
Lord Howe Rise
Norfolk Ridge
Tasman Sea
South Fiji Basin
North Fiji Basin
NEW CALEDONIA (To France)
HEBRIDES (To U.K. & France)
FIJI (To U.K.)
TONGA
SAMOA
COOK I.
PHOENIX IS. (To U.K. & U.S.A.)
GILBERT IS. (To U.K.)
ELLICE IS. (To U.K.)
TOKELAU IS. (To N.Z.)
KERMADEC IS. (To N.Z.)
INDIAN OCEAN
Indian-Antarctic Ridge
SOUTHERN OCEAN
International Date Line

LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

SCALE: 1 INCH TO 711 MILES

strait to the Antarctic and at its broadest is 10,492 miles across. It has an average depth of about 14,000 feet, but in its deepest regions, which are off the Philippine Islands, a depth of 35,800 feet has been recorded. The islands of the Pacific fall into three main groups, Micronesia, Melanesia and Polynesia. Nearly all these islands are either volcanic or have a capping of coral over a submarine volcanic peak. The volcanic islands are very fertile and often mountainous, while the coral islands or atolls are mostly bare, desolate and low-lying. There are active volcanoes in the Solomon Islands, the New Hebrides and the Tonga group and Hawaii.

HAWAII
(To U.S.A.)
OAHU
Molokai
MAUI
Lanai
Kaiwi Channel
Pailolo Chan.
Alenuihaha Chan.
Kealaikahiki Chan.
HAWAII
KAUAI (HAWAII)
NIIHAU (HAWAII)
ALASKA
Gulf of Alaska
Kodiak I.
Alexander Archipelago
Queen Charlotte Is.
VANCOUVER I.
CANADA
UNITED STATES
Mendocino Seascarp
Murray Seascarp
San Francisco
Los Angeles
Guadalupe I.
Gulf of California
MEXICO
GULF OF MEXICO
ATLANTIC OCEAN
BAHAMA ISLANDS
CUBA
Habana
Hispaniola
JAMAICA
BRIT. HONDURAS
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
PANAMA
CARIBBEAN SEA
Guatemala Trench
Clarion Fracture Zone
Clipperton Fracture Zone
REVILLA GIGEDO IS
Clarion I. (To Mex.)
Clipperton I. (To France)
ALBATROSS PLATEAU
COCOS RIDGE
I. del Coco
Malpelo I.
COLOMBIA
Bogota
GALAPAGOS
I. Isabela (To Ecuador)
Sta. Cruz I.
San Cristobal
Carnegie Ridge
Quito
ECUADOR
Guayaquil
PERU
Lima
Callao
Milne Edwards Depth 20,545 ft.
Krummel Depth 22,644 ft.
Bartholomew Depth 26,160 ft.
Richards Depth 20,050 ft.
Nazca Ridge
Juan Fernandez Ridge
San Felix (To Chile)
San Ambrosio
Antofagasta
Arica
CHILE TRENCH
Easter I. (To Chile)
Sala y Gomez
JUAN FERNANDEZ Mas-afuera (To Chile)
Valparaiso
Mas-a-tierra
Concepcion
Valdivia
Chiloe
Archipelago de los Chonos
Wellington I.
Puerto Aroa
Pacoima Bank
SOUTH-EASTERN PACIFIC BASIN
PACIFIC PLATEAU
PACIFIC-ANTARCTIC RIDGE
PACIFIC-ANTARCTIC BASIN
OCEAN
Austral Ridge
Mitiaro
Mauke
Rimatara
Rurutu
Tubuai
Raivavae
TUBUAI IS. (To France)
Rapa
Marotiri
Neilson Reef
Wachusett Shoal
Ernest Legouve Reef
Maria Theresa Reef
Duke of Gloucester Gr.
Henderson I. (To UK.)
Ducie I.
Pitcairn I.
Oeno I.
Mangareva
Actaeon Group
Hereheretue
Maria I.
SOCIETY IS.
Motu One
Fenua Uta
Huahine
Raiatea
Tahaa
Borabora
Maupiti
Maopea
Papeete
Nehetia
Tetiaroa
TAHITI (To France)
Moorea
King George Is.
Disappointment Is.
Apataki
Makatea
Pukapuka
Angatau
Fakahina
Makemo
Marutea
Hao
Nengonengo
Ahunui
TUAMOTU (To France)
Tatakoto
Pukaruha
Reao
Pinaki
Vanavana
Tureia
Fangataufa
Morane
Caroline I.
Vostok I.
Flint I.
Starbuck I.
Malden I.
Fanning I.
Christmas I.
Penrhyn
Tongareva
MARQUESAS
Eiao
Hatutu
Nukuhiva
Ua Huka
Hiva Oa (To France)
Tahuata
Fatuhiva
Clarion I. (To Mex.)
San Benedicto
Roca Partida
Socorro I.
Revilla Gigedo Is.
Guadalupe I.
Mexico
Vera Cruz
Habana
Hookena
Keauhou
Kealakekua
Napoopoo
Mauna Loa
Hawan Nat. Pk.
Kilauea
Kalapana
Kapoho
Hilo
Hilo Bay
Waimea
Kawaihae
Puako
Kohala
Honomu
Papaikou
Olaa
Pahoa
Kamuikahi
Mauna Kea
Pahala
Naalehu
Kaalualu
Ka Lae
Honolulu
Waialae
Kahuku Pt.
Laie Pt.
Waialua
Haleiwa
Kaena Pt.
Waianae
Barbers Pt.
Diamond Hd.
Koko Hd.
Makapuu Pt.
Waimanalo
Kaneohe
Mokapu Pt.
Kailua
Waipahu
Ewa
Pearl Harbor
Waikiki Beach
Kaunakakai
Kalae
Halawa
Lahaina
Kihei
Haleakala
Hana
Kipahulu
Kaupo
Kealakahiki Pt.
Kahoolawe
Lanai City
Palaoa Pt.
Maalaea B.
Honokohau
Waihiku
Haiku
Kahului
Paia
Makawao
Nahiku
Kaeleku
Hawaii Nat. Pk.
Red Hill
Makena
Keoniu
Kaupo
Upolu Pt.
Kawaihae
Waimea
Laupahoehoe
Honohina
Hakalau
Kaiwi Pt.
Kailua Bay
Holualoa
Keahole Pt.
Kawaihae B.
Mauna Kea 13,796 ft.
Puu Hualalei 8,252 ft.
Kawuhaeo 5,505 ft.
Mt. Kohala
Waipio
Kukuihaele
Pololu
Waimanu
Honokaa
Paauilo
Ookala
Upolu Pt.
Kapaau
Hawi
Niulii
Kapaau
Waiakoa
Mahukona
Kawaihae
Puako
Kohala
Honomu
Papaikou
Olaa
Pahoa
Kamuikahi
Kapoho
Mauna Kea
Mauna Loa
Glenwood
Kilauea
Kalapana
Pahala
Naalehu
Kaalualu
Ka Lae
Hilea
Punaluu
Honuapo
Waiohinu
Hookena
Keauhou
Kealakekua
Napoopoo
Hawan Nat. Pk.
Hoopuloa
Hilea
Waiohinu
Honuapo
Naalehu
Kaalualu
Ka Lae
Hana
Kaupo
Kipahulu
Kaeleku
Kaupo
Kaalualu
Ka Lae
Naalehu
Honuapo
Punaluu
Hilea
Waiohinu
Hookena
Keauhou
Kealakekua
Napoopoo
Hawan Nat. Pk.
Mauna Loa
Glenwood
Kilauea
Kalapana
Pahala

THE ANTARCTIC

The Antarctic comprises those seas and lands round the South Pole which lie within the Antarctic Circle at 66° 33′ S. It has a total area of about four and a half million square miles. The continent is uniquely isolated, and is covered by an ice cap thousands of feet thick. Much of the rock surface beneath the ice is below sea level. If the ice cap were to melt, the sea level all over the Earth would rise by two or three hundred feet.

HEIGHTS IN FEET
12,000
6000
3000
1500
600
SEA LEVEL
600
3000
6000
12,000
DEPTHS IN FEET

SCALE IN MILES
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000

100

LAMBERT'S AZIMUTHAL EQUAL-AREA PROJECTION

SCALE: 1 INCH TO 474 MILES

INTERNATIONAL BOUNDARIES

SECTION THREE

THE WORLD AS WE KNOW IT

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OUTER SPACE: THE

OUR PLACE AMONG THE GALAXIES

As the stars of the heaven, and as the sand which is upon the sea shore—GENESIS 22

For centuries man believed the Earth to be the centre of Creation. The true picture is far more awe-inspiring. We live on a small planet revolving round a star of only average size which is itself revolving, with thousands of millions of other stars, in one galaxy among millions in a Universe that may well be boundless.

Scientific observation has as yet revealed no limits to the Universe and has so far probed only a fraction of it. Yet to travel to the frontiers of that observed fraction, even at 186,300 miles per second (the speed of light) would take 6,000 million years, about 20,000 times the total period that human life is estimated to have existed on Earth.

The different bodies and structures in the Universe, all of which appear to be receding from us, range from single galaxies to mammoth clusters containing over 500 galaxies.

Although the cluster of galaxies to which our galaxy belongs is comparatively small (it has only 25 members), our galaxy itself, the Milky Way System, ranks among the larger of the known stellar systems. Counting its almost 100,000 million stars (of which the Sun with its family of planets is one) at the rate of one star a second would take about 2,500 years.

Seen edge-on from outside, the Milky Way System looks like a fairly flat disk with a thick cloud of stars near and round its centre. Seen at right angles, it looks like a giant Catherine wheel in which two main arms spiral out from the centre. The Sun lies in one of these arms. It is so far away from the centre that it needs about 225 million years to complete one orbit round the "hub" of the Catherine wheel. Calculated on the basis of the Sun's estimated age, it can have made only about 30 complete circuits.

The stars forming the Milky Way are not evenly distributed, but thin out from the central plane of the galaxy and from its bulbous centre. The myriads of stars forming the centre are hidden from the Earth by vast formations of cosmic dust and

BOUNDLESS SKY

Our Solar System is somewhere here

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A barred spiral galaxy. The "bar" involves the nucleus and curves outwards to form trailing arms strongly indicative of rotation.

An elliptical galaxy. This shows no spiral structure and appears to be comparatively free from cosmic gas and dust.

A spiral galaxy, full view, with its central nucleus and trailing spiral arms. The whole vast complex of stars, dust and gas is rotating in a way that would tend to "wind up" the arms.

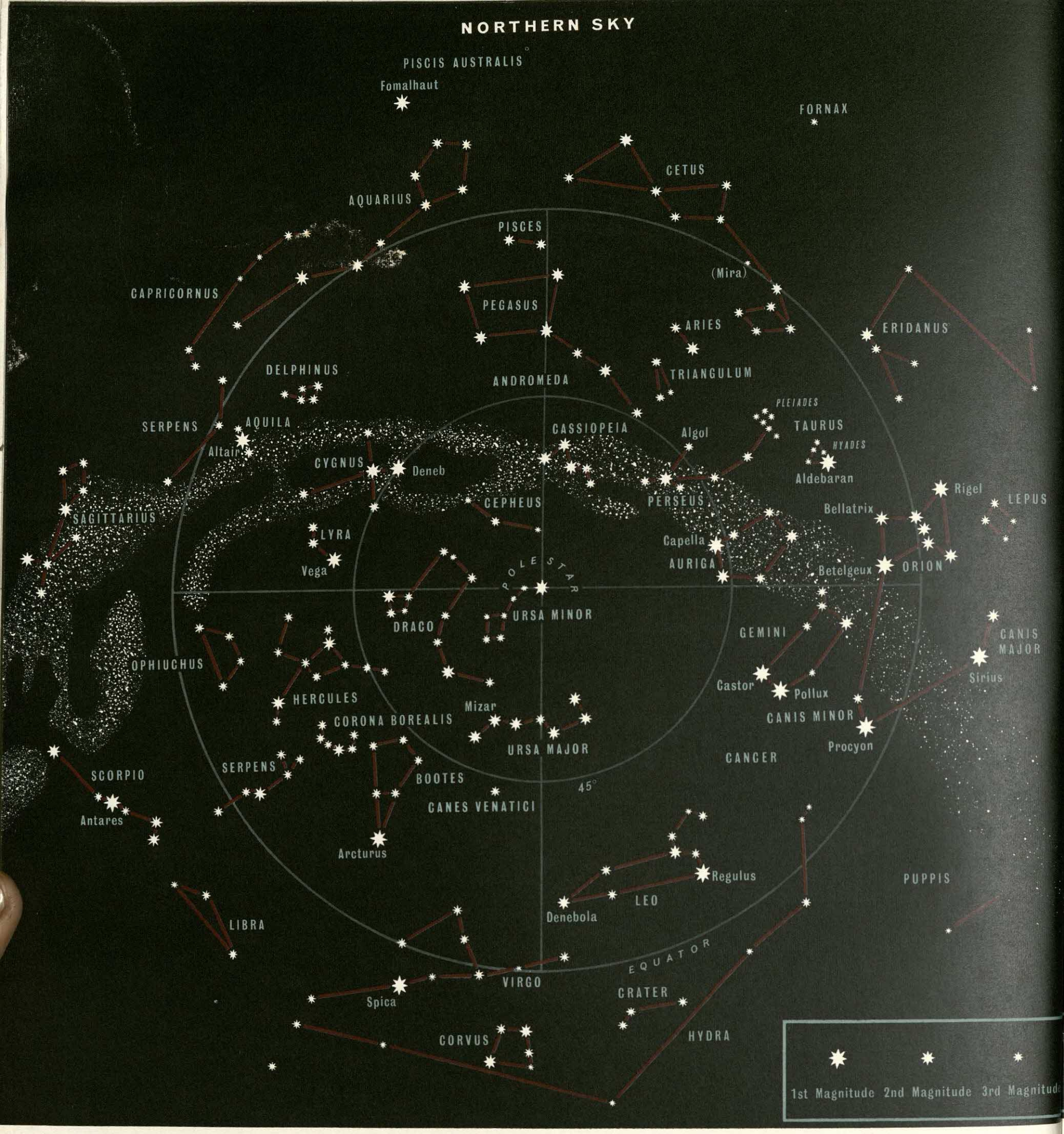
A spiral galaxy seen edge-on. The central bulge or nucleus is a great swarm of millions of stars. The dark markings in the central plane are caused by clouds of obscuring cosmic dust

are not directly visible. If we look in the direction of the plane, however, from our position slightly outside it, we see the stars distributed in greater depth and number, so that they appear to merge into a single luminous band. This bright streak in the sky has been known for centuries as the Milky Way, a name now given to the whole of the system.

Surrounding the galaxy and forming part of it are compact swarms of stars known as globular star clusters. Beyond them again lie thousands of millions of other galaxies with a considerable range in size and structure. The nearest comparable in size to our own is the Great Galaxy in Andromeda (centre of left-hand page), just over two million "light-years" away, a distance that light, in travelling at 186,300 miles per second, would take just over two million years to cover.

As man probes deeper into the Universe, the number of galaxies seems to grow as immense as the space through which they hurtle.

The Milky Way, one of the millions of stellar galaxies in the Universe, is so vast that it would take a rocket, hurtling along its diameter at 100,000 miles per hour, 670 million years to make the journey from end to end. Travelling at the same speed across our solar system, from the Sun to its farthest dependent planet, Pluto, a rocket would take only four years and two months.



THE STARS AROUND US

THE LIGHT FROM MANY STARS STARTED ITS JOURNEY LONG BEFORE MAN APPEARED ON EARTH

For one star differeth from another in glory — 1 CORINTHIANS 15

When we look at the stars we are looking back deep into the past; for we see them, not as they are now, but often as they were hundreds of years ago. The light we receive from most of them began its great journey long before we were born, and from the more distant stars long before man appeared on Earth.

Even light from the Sun – a mere 93 million miles away – takes eight minutes to reach the Earth. From the nearest star, Proxima Centauri in the Southern Hemisphere, it takes more than four years. Since light, travelling at 186,300 miles a second, covers some six million million miles in a year, this means that the distance between the Earth and Proxima Centauri is about 26 million million miles.

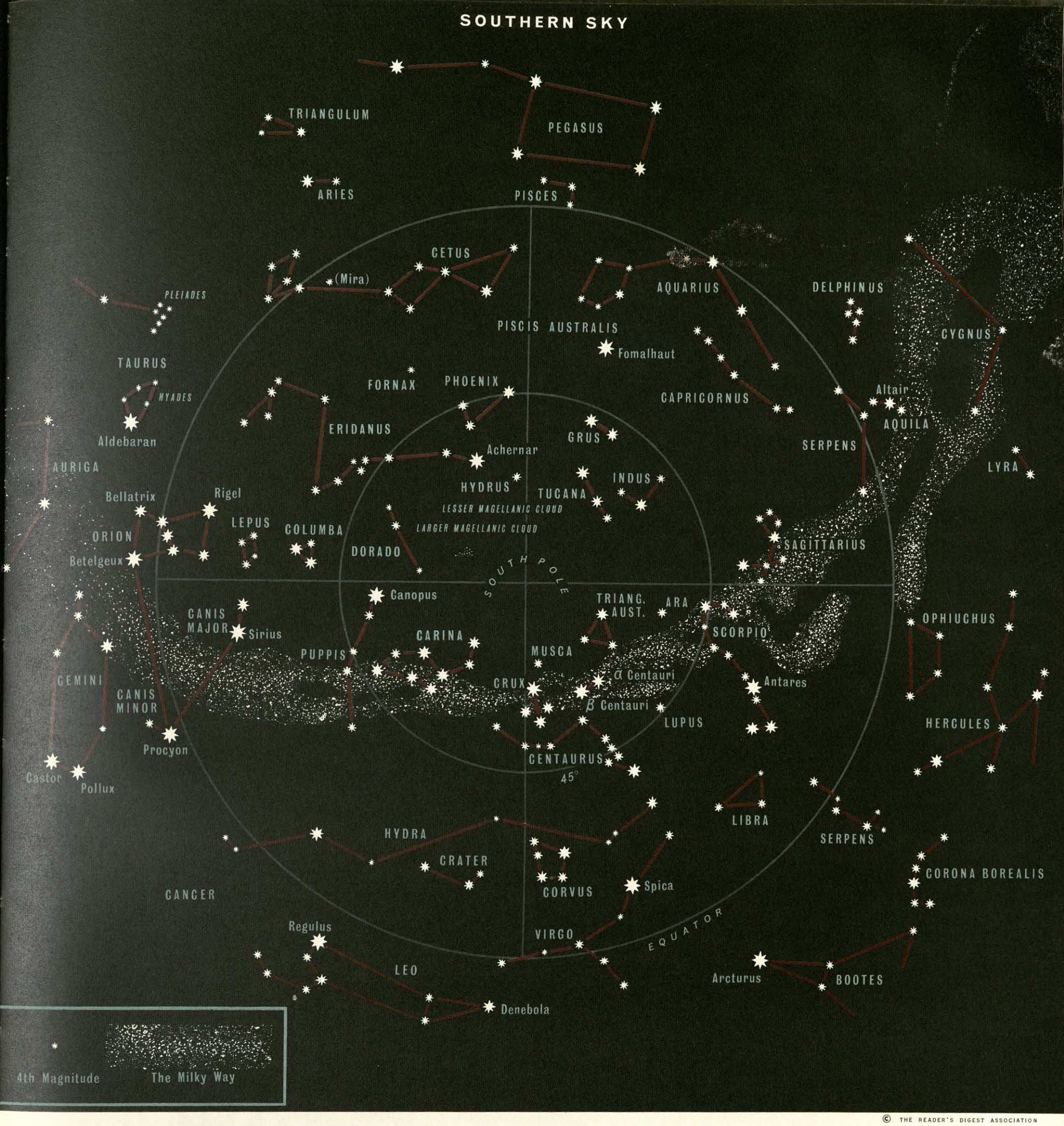
But the vast distances in space need a unit of measurement larger than the mile. Astronomers use the "light-year," which is the distance travelled by light in one year. In these terms, Proxima Centauri is four and one-third light-years away from the Earth. The distance from Earth to the bright star Altair is about 16 light-years, to Vega 26 light-years, to Deneb 1,500 light-years, while some of the stars of the Milky Way are so far distant that their light takes thousands of years to reach us. The stars are therefore placed at great distances in space, not only from the Earth, but also from one another.

The stars vary greatly in size. Though our Sun seems large to us, and could easily contain the Earth a million times over, it is no more than an average star in the rest of the heavens. Some stars, called super-giants, make the Sun seem a tiny dwarf. Betelgeux, for instance, could contain not only the Sun and the Earth's orbit round it, but the entire orbit of the planet Mars – an orbit of some 284 million miles in diameter. At the other end of the scale are stars that are only a few thousandths of the Sun's size.

Stars also vary considerably in actual brightness, and so are graded into different "magnitudes." The brightest stars belong to the first magnitude, those slightly less bright to the second, and so on until we reach the sixth magnitude which consists of stars just visible to the naked eye on a very clear night. A star of the first magnitude is 100 times brighter than a star of the sixth magnitude. Compared with some first-magnitude stars, the Sun's light is like that of a glow-worm shining beside a searchlight.

Thus the brighter stars in the sky – like Rigel and Regulus – are not necessarily the nearest to us. Several very faint stars are in fact nearer to Earth than most of the bright ones, though the brilliant Alpha Centauri, in the Southern Hemisphere, and Altair, in the Northern Hemisphere, are fairly close neighbours – as stars go.

From earliest times, men have grouped the stars under names



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of animals and legendary heroes. A few of these constellation figures, as they are called, such as Orion and Corona Borealis (the Northern Crown), do look something like the figures they are supposed to represent, though most call for powerful feats of imagination. Among the brighter stars, however, some make definite patterns: five in Cygnus (the Swan) form a cross, and seven in Ursa Major (the Great Bear) suggest the Plough shape by which they are known.

The maps show the positions of the brightest stars in both Hemispheres. During one year, people living in the Northern Hemisphere can see all the stars on the left-hand map, but never those in the region of the Southern Cross, which are hidden by the Earth's bulk. Similarly, people living south of the Equator can see the stars on the right-hand map, but never the Plough or the North Pole Star. Only from the Equator would you eventually see almost every star in both Hemispheres.

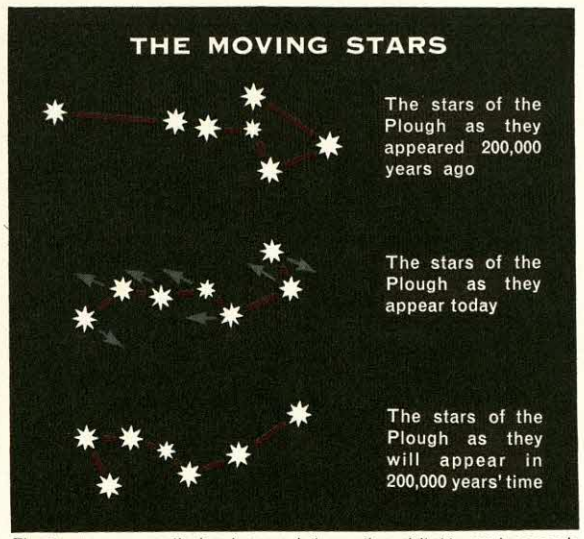
Because the Earth rotates on its axis, the stars – like the Sun by day—*appear* to wheel from east to west across the sky. In the Northern Hemisphere, only Polaris, the Pole Star, seems to stand still because it is almost directly above the North Pole. Not only does it show the position of north, but its angular height above the northern horizon is roughly equal to the observer's latitude. Since the latitude of London is about 51½°N, the Pole Star, as seen from London, is about 51½° above the horizon.

The southern sky has no bright star like Polaris to mark the position of the south celestial pole. To find this position we must draw a line from the tip of the Southern Cross to the bright star Achernar: the point above the South Pole lies midway along this line and slightly to the right of it.

With the naked eye, we can see from 2,000 to 2,500 stars on a clear night. Binoculars will show thousands more, and a large telescope can reach out to thousands of millions of stars. Most of these lie in the bright girdle of the Milky Way, once thought to be the road along which the souls of the dead travelled to heaven.

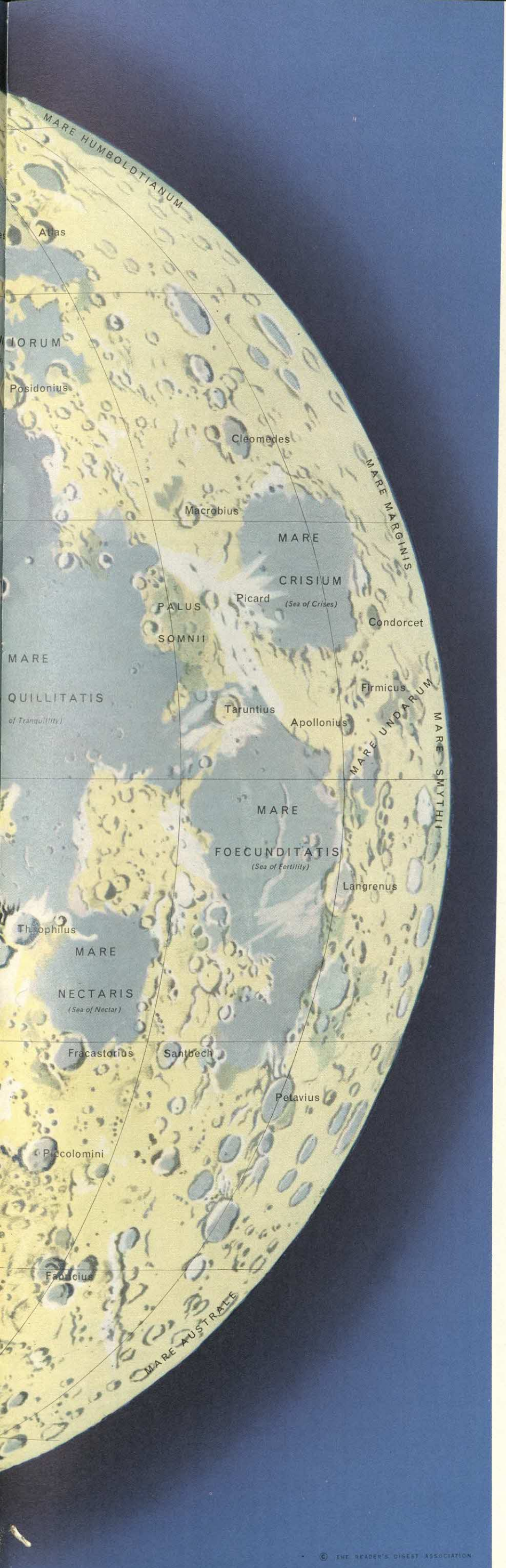
Many "stars" turn out to be not just single objects, but clusters of two, three or even more stars. Some of these "double stars," as they are called, are two stars held close together by the force of gravitation. Others only appear to be together because one happens to be almost behind the other in our line of sight, though they may in fact be an immense distance apart.

Of the larger star clusters, one of the finest is the Pleiades in the northern sky. When you first count the members of this group you will probably manage only six or seven, but on very clear nights this number can be pushed up to twelve or fourteen. A pair of binoculars will show many more, though it needs a really large telescope to reveal the 200 and more stars in this cluster. All these stars are travelling together through space. They form a moving family of suns all of which, presumably, had a common origin.



The stars are never motionless in space, but move through it at tremendous speeds. The diagrams show the stars of the Plough as their positions are changing in relation to each other and as seen from the Earth. This motion is called the "proper motion" of the stars. It is not their motion in three-dimensional space, since we see only the two-dimensional aspect. As shown by the arrows, the five inner stars are travelling in approximately the same direction, forming a moving family of suns. The two outer stars, moving the opposite way, are not members of this group.

N
MARE FRIGORIS
(Sea of Cold)
Plato
Alpine Valley
Aristoteles
Eudoxus
Hercules
SINUS
RORIS
(Bay of Dew)
Sharp
JURA MOUNTAINS
Bianchini
SINUS
IRIDUM
(Bay of Rainbows)
Massif
CAUCASUS MOUNTAINS
LACUS SOMNIORUM
(Lake of Dreams)
MARE
Aristillus
Archimedes
× The Russian space rocket, launched September 1959, fell here
MARE
SERENITATIS
(Sea of Serenity)
Lambert
Timocharis
IMBRIUM
(Sea of Rains)
Aristarchus
Euler
APENNINES
HAEMUS MOUNTAINS
Menelaus
Plinius
PROCELLARUM
(Ocean of Storms)
Eratosthenes
MARE
VAPORUM
(Sea of Vapours)
Manilius
Marius
Copernicus
Reiner
Kepler
SINUS
AESTUUM
(Bay of Heat)
Hesiodus
Heinrich
Havel
Landsberg
OCEANUS
Flamsteed
MEDII
(Central Bay)
Riccioli
Grimaldi
Fra Mauro
Bonpland
Riphean Mountains
Hipparchus
Ptolemaeus
Archimedes
Cyrillus
Alphonsus
Arzachel
Abulfeda
Catharina
Gassendi
Purbach
Werner
Pitatus
Lagrange
Walter
MARE
HUMORUM
(Sea of Moisture)
Schickard
Tycho
Maurolycus
Macrobius
Schiller
Clavius
Zach
LEIBNITZ MOUNTAINS



THE MOON

EARTH'S SATELLITE

He appointed the Moon for seasons—PSALM 104

THE Moon is unique in our Solar system. Many planets have satellites, but these are small in relation to their mother planets. The Moon is the only satellite of a size comparable to its planet, Earth.

MAIN FEATURES. The large map shows the near side of the Moon; the far side is hidden because the Moon rotates only once each time it travels round the Earth. (Since the Moon spins so slowly, its "day" lasts about two weeks, and is followed by two weeks of night.) The features marked on the map are all visible through good binoculars. They are best seen, not at full Moon when the Sun shines directly on them making no shadows, but when they are near the "terminator", or irregular edge of the Moon, and the Sun is lower in the lunar sky.

To the naked eye the Moon seems to be made up of bright and darker patches. The bright parts are mountains and craters which catch the light of the Sun; the large darker areas are the low-lying plains. Once thought to be seas, these plains are still called by such names as Mare Imbrium (Sea of Rains) and Oceanus Procellarum (Ocean of Storms) though in fact the Moon is entirely without water.

The mountains on the Moon are broad rather than high. The highest range is probably the Leibnitz Mountains near the Moon's south pole, with an estimated height of well over 20,000 feet. In relation to the Moon's size they appear higher still; a corresponding mountain range on Earth would tower 14 miles into the sky.

The most striking features are the many thousands of craters, named after philosophers and men of science. Either volcanic or meteoritic in origin, they range in size from pits of a mile or less across to magnificent walled plains such as Clavius, which is some 150 miles in diameter. Two of the finest are Copernicus and Tycho, both over 50 miles across and with walls rising to heights above two miles. From these two craters, and some others, bright streaks radiate for thousands of miles across mountains and valleys. The origin of these bright streaks is unknown; they seem, however, to be surface deposits of some kind.

SIZE AND GRAVITY. With a diameter about one-quarter of the Earth's, the Moon has a surface area less than half that of the Atlantic Ocean, and the part we can see is about the size of North America. Its gravitational pull is correspondingly smaller, only about one-sixth of the Earth's.

A six-foot man who could jump six feet on the Earth would be able to clear about 18 feet on the Moon, and his descent would be much slower. A space ship would need a velocity of only some 5,000 m.p.h. to take off from the Moon, compared with 25,000 m.p.h. required to escape from the Earth's gravity.

EFFECTS OF NO ATMOSPHERE. The Moon is without atmosphere, its gravity being too weak to hold down gas in any quantity. To an Earth-dweller, this produces some startling effects. The edges of shadows on the Moon are razor-sharp, unsoftened by mists or similar products of the atmosphere. There is no erosion due to weather, and the Moon's features have therefore undergone little major change since they were formed. There is no sound, which is a vibration transmitted through the air. Nor is there any twilight: day comes instantly because there is no atmosphere to be lit up before the Sun comes over the horizon. With no atmosphere to protect it from the Sun by day or to imprison the heat by night, the Moon has great extremes of temperature. At the equator, the day-time temperature at the Moon's surface rises to 100° C., as high as that of boiling water, and at night the temperature sinks to at least −168°C., as low as that of liquid air. Under these conditions no life as we know it can exist.

Average distance from Earth	**238,856 miles**	Mass in terms of Earth	**1:81**
Diameter	**2,160 miles** *(Earth's diameter 7,920 miles)*	Sidereal Period	**27·3 days** *(approx.) (time taken to make one complete circuit of Earth)*
Density	**3·3 times that of water** *(Earth's density 5·5 times that of water)*	Synodic Period	**29·5 days** *(approx.) (interval between one new Moon and the next)*

THE FAR SIDE OF THE MOON

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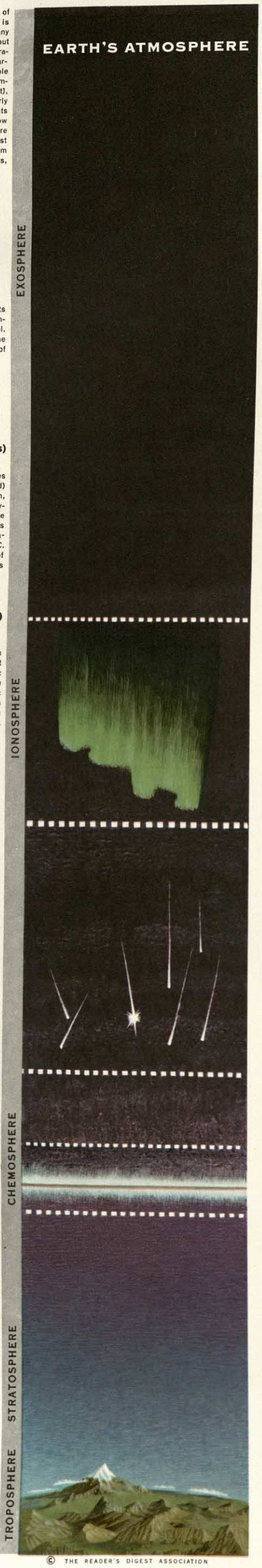
Chart of the reverse side of the Moon, compiled from photographic positions obtained by the U.S. Orbiter vehicles and the Soviet Zond-3. When this chart was made in the autumn of 1967 only a very small portion of the far side of the moon had not been photographed.

Near the edge of the chart appear some features which can be identified on the map of the visible hemisphere: Mare Marginis and Mare Smythii. Mare Orientalis is of special interest as it can just be seen from Earth as a foreshortened plain, but the far-side photographs have shown that it is of very complex structure, and it is of significance in studies of how the Moon's features were moulded. Two other interesting features are the dark-floored crater Tsiolkovskii and the dark patch of the Mare Moscoviae.

The names of features on the far side of the moon are under consideration by the International Astronomical Union.



Earth's atmosphere, the blanket of gases surrounding the planet, is the element that, more than any other, enables life to exist. Without its protective insulation, temperatures would swing from unbearable cold at night to unbearable heat during the day. Air is composed of nitrogen (78 per cent), oxygen (21 per cent), argon (nearly one per cent) and small amounts of other gases. No one knows how far above the earth the atmosphere extends, but it is probably at least 1,000 miles. The air is not a uniform mass but can be divided into layers, each with its own characteristics.

The air here is so rarefied that its density is only one million-millionth of that at ground level. Air particles move freely, some escaping into the near-vacuum of outer space.

(250 miles)

In the ionosphere the air particles are electrically charged (ionized) by the Sun's ultra-violet radiation, and congregate in four main layers: D, E, F_1 and F_2. It is these layers which reflect radio waves back to the ground. The temperature increases rapidly from −73°C. at the D layer (at a height of about 45 miles) to perhaps as much as 1,600°C. at 200 miles.

F2 Layer (155 miles)

The glowing Auroras (Northern and Southern Lights) are thought to be caused when jets of atomic matter, shot out from the Sun, are deflected by the Earth's magnetic field towards the North and South Poles. They occur at varying heights between 40 and 600 miles.

F1 Layer (90-150 miles)

It is mainly in the lower ionosphere that meteors from outer space burn up as they meet the increased air resistance. F_2 and F_1 (bottom) layers (known as the Appleton layer—although at night the F_1 layer is absent) reflect short radio waves. E layer reflects long radio waves. Also called the Heaviside layer, it is the lowest stable layer. D layer is unstable and unpredictable, and is usually present only in daytime.

Meteors generally burn out above this level.

E Layer which extends about 30 miles above this line.

HYDROXYL ZONE where water vapour is broken up by sunlight into hydrogen atoms and molecules of one hydrogen and one oxygen atom (hydroxyl).

D Layer (45 miles)

The chemosphere is defined mainly by an accumulation of ozone gas at about 20 to 30 miles high. Ozone absorbs some of the Sun's ultra-violet rays and is the Earth's main line of defence against the Sun's harmful effects. The ozone belt is marked by very high temperatures compared with those around it.

Throughout the ten-mile-thick layer of stratosphere, the temperature varies little, and is usually about −60°C. At the lower boundary, the tropopause, the direct effects of Earth's weather are not usually felt, and it is here that jet airliners fly to get above the weather.

From the ground to the tropopause the temperature drops steadily from about 15°C. at sea level (in temperate zones) to about −56°C. at seven miles (the average height of the troposphere) while the air thins out rapidly with increasing height. Air pressure at sea level is 14·7 lb. per square inch, but at six miles it is less than 4·9. The troposphere is the region of clouds and weather.

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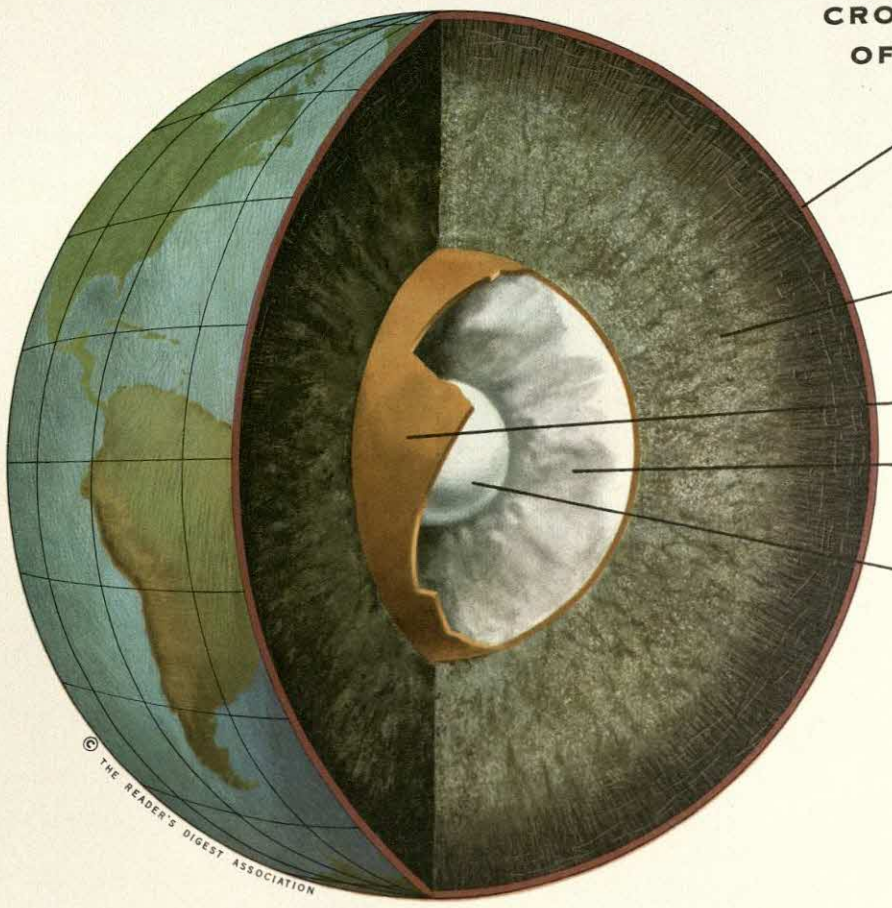


THE EARTH'S STRUCTURE

Let the waters under the heaven be gathered together unto one place, and let the dry land appear — GENESIS 1

THE continental parts of the Earth's Crust are composed of many different kinds of rock which, as a whole, have the density and composition of granite. This granite layer is often called "sial" because of the predominance of *si*lica and *al*umina in its composition. The granite layer, or "sial," floats on a denser layer, which has an average density and composition similar to that of the common black volcanic lava known as basalt. This so-called "basaltic" layer (termed "sima" because of its richness in *si*lica and *ma*gnesium) directly underlies the ocean floor, and here forms the thinnest part of the Earth's Crust. In continental areas the granitic and basaltic layers together reach an average thickness of between 20 and 25 miles. In oceanic areas, the basaltic layer alone averages a thickness of about three miles.

Knowledge that the Earth could not consist entirely of these surface rocks came first from the planet's weight, measured by its pull of gravity; for these materials are far too light to account for a total mass of 6,600 million million million tons. The density (weight per unit of volume) of rocks at the Earth's centre may in fact be as high as 16, compared with only 2·7 at the surface.

The best clues to what lies beneath the Earth's exterior are provided by records of earthquake shocks. Shock waves passing through the Earth are found to change their direction and speed at certain levels which are known as discontinuities. The first major discontinuity is at the base of the basaltic layer where the latter rests on the Mantle. This is named the Mohorovičić Discontinuity (Moho for short) after the Yugoslav scientist who discovered it. At this level a marked change in the velocity of earthquake waves takes place. This could indicate either an actual change in the chemical nature of the rocks or merely a change in their physical state; but precisely which we do not yet know.

The Mantle extends to a depth of 1,800 miles, where a second major discontinuity marks the beginning of the Outer Core. Although nothing is known directly about the rocks of the Earth's interior, it is widely accepted that the material near the inner edge of the Mantle is two to three times as heavy as the surface rocks.

The Outer Core, 1,310 miles thick, is probably formed of heavy metals (iron and nickel) in molten form; but because of the tremendous pressure, this fluid substance would be unlike any fluid we know on the Earth's surface. The next layer, the Inner Core, 850 miles thick, is believed to consist of the same materials as the Outer Core, but forced into a solid state by increased pressure—three million times greater at the centre of the Earth than at the surface. Temperature also increases sharply with descent into the Earth, until it may reach at least 4,000°C.

Some scientists believe that at the centre of the Earth there is a nucleus of high-density atoms, descended from the atoms that were the starting point of our solar system.

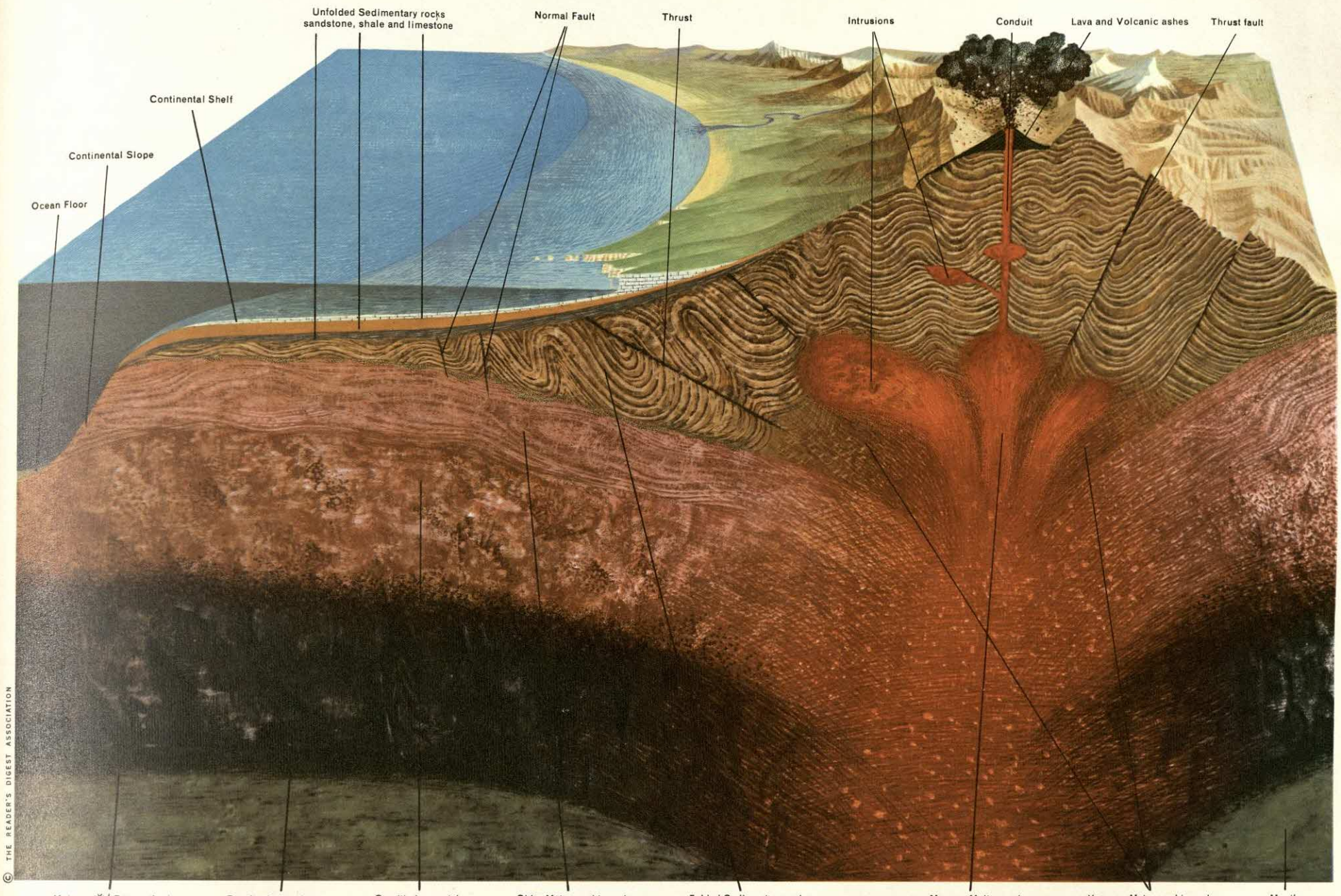
ROCKS AND THEIR ORIGINS

IGNEOUS rocks are those that solidified directly from molten silicates, which geologists call magma. The Mantle obviously belongs to this category as do also the basaltic layer and much of the granitic layer. Igneous rocks include the fine-grained lavas, which have cooled quickly at the surface, and the coarse grained "plutonic" rocks which have cooled and crystallized slowly at depth.

Sedimentary rocks are formed when igneous rocks are eroded and laid down as sediment under the sea. Shale, which is mud layers compacted under great pressure, composes 80 per cent of these rocks. Others are sandstone —sand cemented into rock-form by other minerals—and limestone and chalk, which are in part the calcareous remains of countless marine creatures. Fossils are often found in the geologically younger sedimentary rocks.

Sedimentary and igneous rocks of all ages, which have been subjected to the intense pressures and heat in the roots of mountain chains, are now in a "metamorphosed" condition.

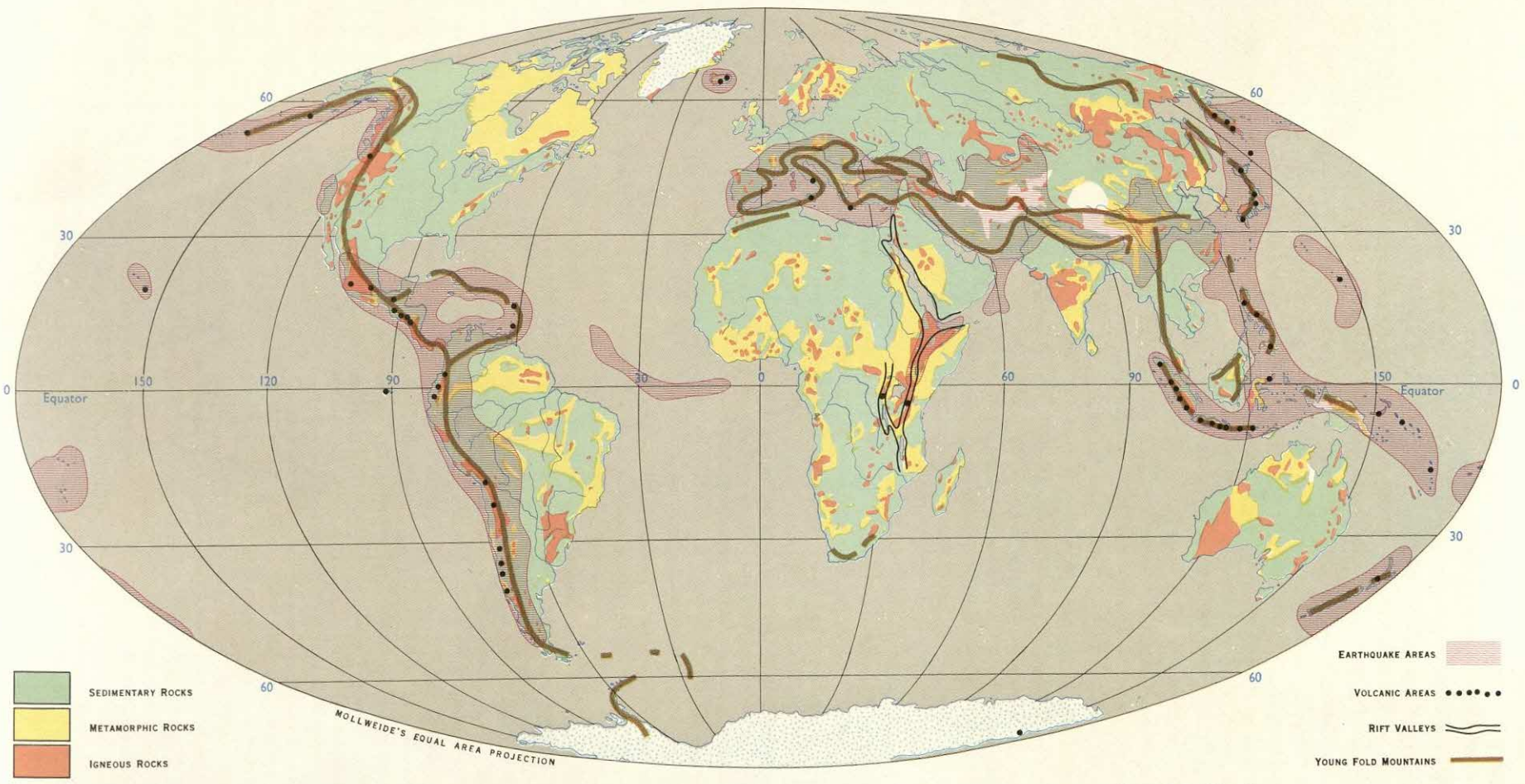
Because the older parts of the continents are criss-crossed with old eroded-down mountain chains these "metamorphic" rocks have a wide surface distribution. During metamorphism shales become schists, granite becomes gneiss, limestone becomes marble, and sandstone becomes quartzite. The changes involve re-crystallization, and the growth of new minerals from those composing the original rocks. The older metamorphic rocks are frequently rich in deposits of the base and precious metals.



DIAGRAMMATIC SECTION THROUGH THE CRUST

IN the great jig-saw of rocks that form the Earth's surface, the pieces are slowly and endlessly being rearranged. These changes originate deep in the Earth's interior.

The constant movements in the depths of the Earth mount in intensity from time to time, culminating in orogenies, profound disturbances in the Earth's Crust which give rise to great mountain ranges. The early stage of an orogeny is, paradoxically, downwarping of the Crust and formation of a sea-filled basin in which great thicknesses of sediments accumulate. Later the sides of the basin move towards each other, and the bottom moves up; the sedimentary rocks caught in this "vice" are folded and slide over each other, piling up into a great mountain chain. The fractures along which the sliding takes place are called "thrusts" or "thrust-faults". Heat and pressure in the depths of the downwarp—the "roots" of the mountain range—metamorphose the sedimentary rocks and cause molten granitic rock to form. This rises under great pressure with molten basalt from the Mantle, either crystallizing on the way up to form "intrusions", or drilling an outlet in the Earth's surface to pour out as volcanic lava and ashes. When the folded rocks appear above the sea surface, the destructive action of wind, rain, frost and waves begins. Eventually the mountains succumb; layers of sediment are deposited in places over the eroded rocks, and a surface of low relief with meandering rivers is all that is left.



THE ROCKS AND STRUCTURAL FEATURES OF THE EARTH'S CRUST

THE map shows only the rocks to be seen on the surface of the Earth. The predominance of sedimentary rock is illusory, as these rocks form a thin skin over much thicker layers of metamorphic and igneous rock. Earthquake activity and active volcanoes indicate that the Earth's Crust is still unstable. Earthquakes are sudden adjustments of parts of the Crust in response to pressures generated during mountain-building and volcanic activity. Volcanoes are of two sorts: quiet outflows through tension cracks which reach down to chambers of molten rock; and explosively drilled pipes, generally in regions of active or recent mountain-building, through which bursts highly pressurized, gas-charged magma, giving violent eruptions. Present-day earthquakes and volcanic belts follow the more recent belts of mountain-building—The Alps, Himalayas, Rockies and Andes. The "Ring of Fire" round the Pacific is noteworthy; so is the Great Rift Valley extending north—south from the Jordan Valley to the Zambesi, along which the ground has sunk between parallel faults, with consequent volcanic activity.

THE EARTH'S

MINERALS FROM THE

Surely there is a mine for silver, and a place for gold which they refine. Iron is taken out of the earth, and brass is molten out of stone — JOB 28

FROM the prized flints of Stone-Age man to the uranium ores of the atomic scientist, minerals have contributed vitally to the growth of civilization. Man has long recognized their importance as the source of precious metals and precious stones, and of base metals such as copper, lead and zinc. Tomb paintings made in the Nile Valley nearly 5,000 years ago show craftsmen weighing malachite and precious metals, smelting mineral ores and carving emeralds into gems.

Rocks are made up of minerals, and minerals themselves are composed of one or more of the 90-odd natural elements in the Earth's Crust. While a few elements, such as gold, are found in the pure state, the majority occur in chemical combination with other elements. Thus oxides are produced when

GALENA

Sulphide and chief ore of lead. Leaden pans for holding plants were used in the Hanging Gardens of Babylon. Lead is used in storage batteries, paint pigments, ammunition, solder, type and bearing metal, and as a safety shield with radio-active material. *Missouri, U.S.A.*

FLUORITE (FLUORSPAR)

Calcium fluoride. Ornamental stone in Victorian times. Raw material for the production of hydrofluoric acid which is used in the aluminium, petroleum, steel and plastic industries; fluorite is used as a flux in steel-making and in the ceramic industry. *Illinois, U.S.A.*

SPHALERITE

Sulphide and chief ore of zinc. Frequently occurs with galena. Zinc is used in die-castings, galvanizing steel, in brasses, dry battery cells; the oxide is used in rubber, paints, ceramics, cosmetics, etc. *Sullivan Mine, British Columbia*

ASBESTOS

A group of fire-resistant, fibrous silicate minerals. The long fibres can be spun into fabrics. The short fibres are mixed with cement to make asbestos board. *Quebec, Canada*

URANIUM MINERALS

Atomic energy developments are based on uranium. Uranium does not occur uncombined in nature but is present in over 150 minerals.

PITCHBLENDE

Uranium oxides with other components. The massive variety of uraninite, the most important ore. *Shinkolobwe, Katanga, Congo*

TORBERNITE

Hydrated copper-uranium phosphate. Green plates resemble a mica. *Cornwall*

CASSITERITE

Oxide and chief ore of tin. Alloyed with copper, it was the basis of Bronze Age implements. Used in tin-plating, solders, bronze, bearing and type metal, pewter, and die-casting. *W. Malaysia*

TOPAZ

Silicate of fluorine and aluminium. Used as gemstone and in refractories. *Ouro Preto, Brazil*

OLIVINE

Magnesium-iron silicate. A common rock-forming mineral. Used as a moulding sand. Peridot and chrysolite are gem varieties. *Zebirget, Egypt*

ALUMINA MINERALS

Although the most abundant metal in the Earth's Crust, aluminium does not occur in the free state, and commercial production did not start until the late 19th century. Alloys are used extensively in motor vehicles, aircraft, ships and domestic goods. Aluminium is used in electric transmission lines. Ruby and sapphire are gem varieties of corundum, a natural aluminium oxide.

CORUNDUM

Hardness only exceeded by diamond. Used as an abrasive in grinding optical glass. Mixed with magnetite and other minerals to form emery. *Transvaal, South Africa*

SAPPHIRE

Corundum gemstones of whatever colour are sapphires with the exception of red (ruby); commonly blue. *Ceylon*

RUBY

"Pigeon-blood" red variety. Large rubies are among the most precious of stones. *Mogok, Burma*

BAUXITE

Rock composed of aluminium hydroxides. Chief ore of aluminium; also used in making abrasives, refractories, chemicals, high-alumina cement, insulating materials, as a catalyst by the oil industry, and as a flux in steel manufacture. *Jamaica*

CINNABAR

Sulphide and chief ore of mercury (quicksilver). Mercury is used in the chemical, electrical and metal industries, and in scientific instruments, dental preparations, and detonators. *Almaden, Spain*

COPPER MINERALS

Copper and gold were the first metals used by man. Both occur in the free state and are easily worked. Copper is used extensively in the electrical industry, also in bronze, brass and other alloys. About 12 of the 165 known copper minerals are commercially important.

AZURITE

Hydrated copper carbonate. *Katanga, Congo*

CHALCOPYRITE

Copper-iron-sulphide. Crystals of chalcopyrite and quartz are shown. Most widespread and important ore of copper. *Zambia*

MALACHITE

Hydrated copper carbonate. An ornamental stone as well as a valuable ore. *Katanga, Congo*

IRON MINERALS

Iron is industry's indispensable metal. Although iron minerals occur abundantly, pure iron is too soft for use, so man learnt to harden it by adding carbon. Thus the Iron Age followed the Bronze Age in Europe and W. Asia. A moderate amount of carbon produces steel, an excess produces cast-iron.

MAGNETITE

Magnetic iron oxide. Crystals show octahedral form. Lodestone (leading-stone), a variety with magnetic polarity, was used in primitive compasses. *Kiruna, Sweden*

HEMATITE

Oxide of iron. The "kidney-ore" variety is shown. Used as an ornamental stone in signet rings, tie-pins and cuff links. *Minnesota, U.S.A.*

TREASURES

EARTH'S CRUST

metals combine with oxygen, and sulphides when metals combine with sulphur. Minerals are formed in various ways, for example, by crystallization from molten lava, rather as ice crystals form when water freezes, and by crystallization from vapours, as in the formation of sulphur crystals by the cooling of sulphur-bearing vapours round active volcanoes.

Some 2,000 minerals have been recorded so far, and, although new minerals are still being discovered, it is unlikely that any large deposit of a new mineral will be found in the accessible parts of the Earth's Crust. At depths below those of the present deepest mine, we may one day find new minerals that are stable at the high pressures and temperatures nearer the centre of the Earth. The advent of space travel opens up the possibility of the discovery of new minerals which would be stable on other planets where conditions are so different from our own.

This small selection of the Earth's minerals shows the variety of their natural forms and colours. Their more commercially important deposits and the locations of the world's oilfields are indicated on the map.

APATITE
Calcium phosphate. Chief constituent of phosphate-rock. Used in manufacture of fertilizers, cleansing products, smoke-bombs, pesticides, and phosphorus alloys.
Kola Peninsula, Russia

PENTLANDITE
Nickel-iron sulphide. Frequently occurs with chalcopyrite. Used extensively in stainless steels and other alloys; nickel is alloyed with copper to make Britain's "silver" coins and the U.S. five-cent "nickel". *Sudbury, Ontario*

BERYLLIUM MINERALS

Beryllium is unusually light and strong and has valuable metallurgical properties. Used in alloys with copper, nickel, and aluminium, also in X-ray tubes, and nuclear reactors. Beryl is the commercial source of beryllium; aquamarine and emerald are gemstone varieties with similar composition.

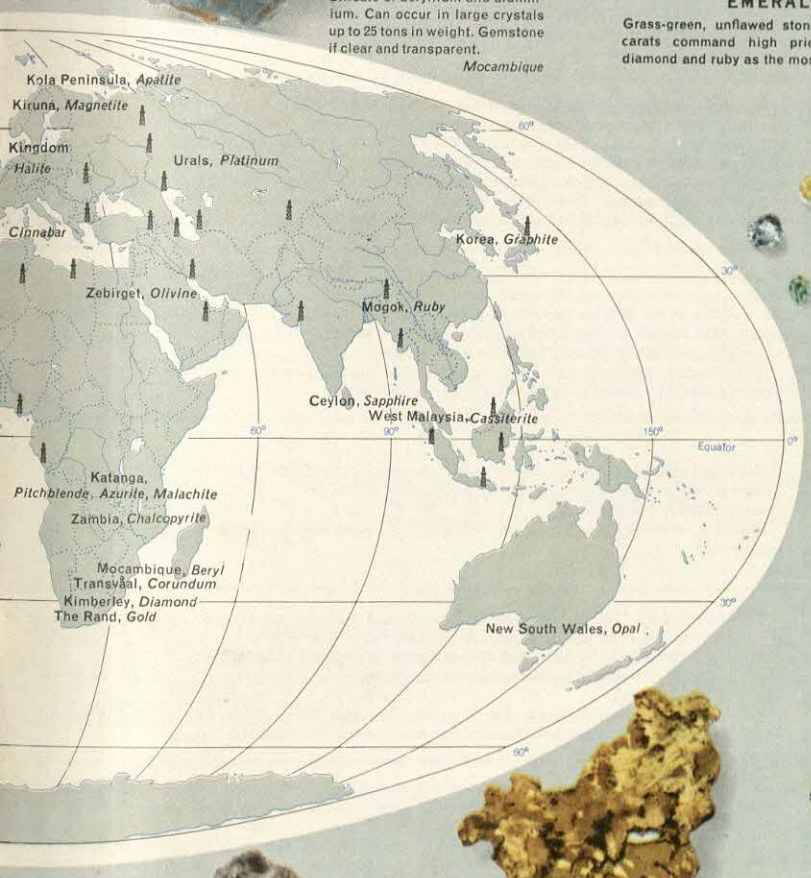
BERYL
Silicate of beryllium and aluminium. Can occur in large crystals up to 25 tons in weight. Gemstone if clear and transparent.
Mocambique

EMERALD
Grass-green, unflawed stones exceeding six carats command high prices. Ranks with diamond and ruby as the most precious stone.
Colombia

AQUAMARINE
Sea-green variety.
Minas Gerais, Brazil

KAOLIN (CHINA CLAY)
Hydrated aluminium silicate. Used in paper, rubber, ceramics (notably porcelain and china), chemicals, cosmetics, insecticides and petroleum catalysts. *Cornwall*

ZIRCON
Zirconium silicate. Besides being a gemstone, zircon in mineral form is used as foundry sand and in abrasives and ceramics. Zirconium metal is used in nuclear reactors, steel alloys, and in the chemical and electrical industries.



CARBON MINERALS

Native crystalline carbon occurs as two important minerals: diamond and graphite. Coals consist largely of non-crystalline carbon of organic origin. Combination with hydrogen produces the natural hydrocarbons which constitute petroleums and bitumens.

DIAMOND
Hardest known mineral and the most valuable gemstone. Crystallized deep down at high temperature and pressure, and brought to surface in volcanic "kimberlite" pipes. Photograph shows a diamond in kimberlite. Most diamonds are minute and imperfect, and are used in industry for cutting or as abrasives.
Kimberley, South Africa

COAL
Bituminous coal showing banded structure. Besides being a fuel, coal is a source of coal gas, coke, tar, ammonia and many hydrocarbon chemicals. *United Kingdom*

GRAPHITE
One of the softest minerals. The "lead" in lead pencils. Used in foundry facings, steel-making, lubricants, refractory crucibles, electrical equipment, pigments and in atomic piles.
Korea

GOLD
Man used gold for decoration from early times. It is hardened by alloying with copper, silver, palladium or nickel for use in jewellery, dentistry and scientific equipment.
The Rand, South Africa

PLATINUM
Native platinum usually contains variable amounts of the other platinum-group metals—palladium, iridium, osmium, rhodium and ruthenium—some of which are employed to harden pure platinum in commercial applications. Platinum is used in anti-corrosive chemical ware, electrical components and laboratory instruments. Platinum and palladium are both used as catalysts, and in jewellery, dentistry and medicine.
Urals

SILVER
Specimen of native silver with milky-white quartz. Silver sulphides are important ores commonly associated with lead, copper and zinc ores. Used in coinage, plate, jewellery and dentistry, and in the photographic, electrical and chemical industries.
Mexico

SULPHUR (BRIMSTONE)
Native sulphur (illustrated), metallic sulphide ores, "sour" natural and refinery gas, and coal are all commercial sources of sulphur. Used in manufacture of sulphuric acid and many other chemicals, paper, rubber goods, steel, textiles. *Texas, U.S.A.*

GARNET
Garnet is the name of a group of silicates. The photograph shows crystals in a metamorphic rock; garnet is also a semi-precious gemstone. The iron-aluminium garnet, almandine, is used as an abrasive.
U.S.A.

SILICA MINERALS

Silicon does not occur uncombined, but its oxide, quartz, and the large group of silicates are the most important rock-forming minerals. Silicon is the most abundant element in the Earth's Crust after oxygen; it is used in electronic components and alloys, and for manufacturing silicones. Chalcedony is a crystalline variety of quartz intimately mixed with opal and other constituents. Flint is a common dark grey-brown variety of chalcedony; precious varieties are shown below.

OPAL
A hydrated non-crystalline form of silica (silicon dioxide) which shows a beautifully variegated play of colours or "fire". Gemstone.
New South Wales, Australia

QUARTZ
One of the commonest minerals. High-grade quartz is used in crystal-controlled oscillator units (as in quartz-clocks) and other electronic instruments, also for optical purposes and in fused quartz ware.
Brazil

VARIETIES OF CHALCEDONY

HALITE (ROCK SALT)
Sodium chloride. Man requires about 12 lb. of salt a year. Apart from its use in food-seasoning and preserving, salt is chiefly used by the chemical industry.
Cheshire

ONYX
An agate with regular bands in sharply contrasted colours.

CHRYSOPRASE
Apple-green variety coloured by nickel oxide.

CARNELIAN
Reddish variety coloured by ferric oxide.

AGATE
Greyish variety in which irregular bands conform to shape of original cavity. Easily stained and used for umbrella handles, brooches, etc., also in laboratory equipment.

THE AGES OF THE EARTH

And the Earth was waste and void — GENESIS 1

Of the 4,500 million and more years of the Earth's existence only the last 600 million years can be traced with accuracy. Almost nothing is known of conditions during the first 1,000 million years, before the Earth's Crust consolidated. The historian, relying on archaeological discoveries and the written records of ancient civilizations, can reach back a mere 6,000 years into the past, but the geologist can reconstruct the story in considerable detail for 600 million years before the historian's record begins. The geologist's evidence lies in the rocks and in the fossilized relics of plants and animals that many of the rocks contain.

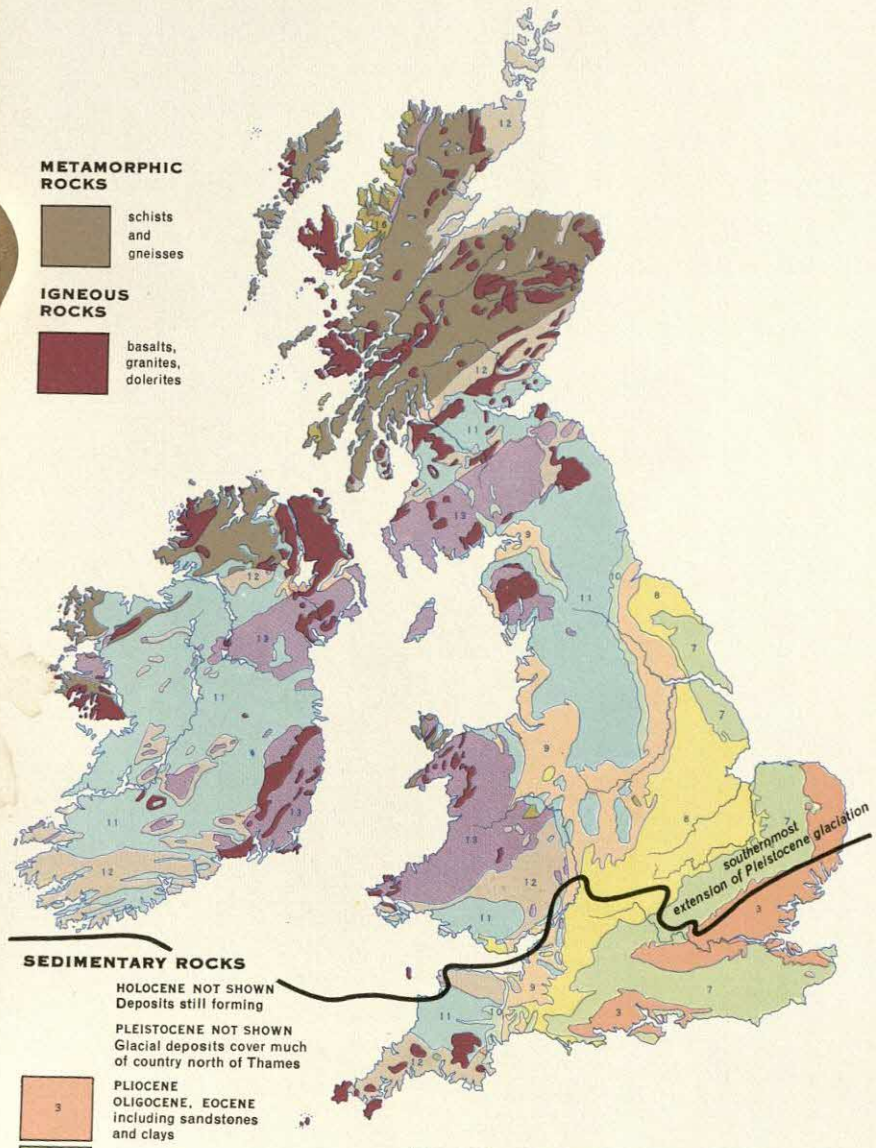
Although little is known of the 3,000 million years which elapsed after consolidation of the Earth's Crust, the earliest and most primitive forms of life—seaweeds and invertebrate marine creatures—must have been evolving for many millions of years before their fossilized remains were first abundantly preserved in the rocks formed about 600 million years ago. The earliest vertebrates—primitive types of fish-like animals—did not appear for another 100 million years. Land plants first established themselves little more than 400 million years ago, and amphibious animals about 350 million years ago. Mammals, of which man, through his brain, is the most advanced, date back a little less that 250 million years; man himself has emerged only within the last million years.

The course of evolution has not been smooth and unbroken; some plants and animals evolved only to die out millions of years later, never to reappear; others have persisted almost unchanged. Major disturbances of the Earth's Crust caused important changes in geography and climate, which in turn influenced the evolution and distribution of animal and plant life. These major disturbances separate the four *eras* of geological history: the Proterozoic (first life), the Palaeozoic (ancient life), the Mesozoic (middle life), and the Cainozoic (modern life).

Within each of the four eras there were crustal disturbances which again broke up the geological record, but to a lesser degree. The rocks formed during the *periods* of time between these disturbances are grouped together as distinct *systems*, most of which have been named after the places where the rocks were first studied; e.g. the county of Devon, and the Jura Mountains of central Europe.

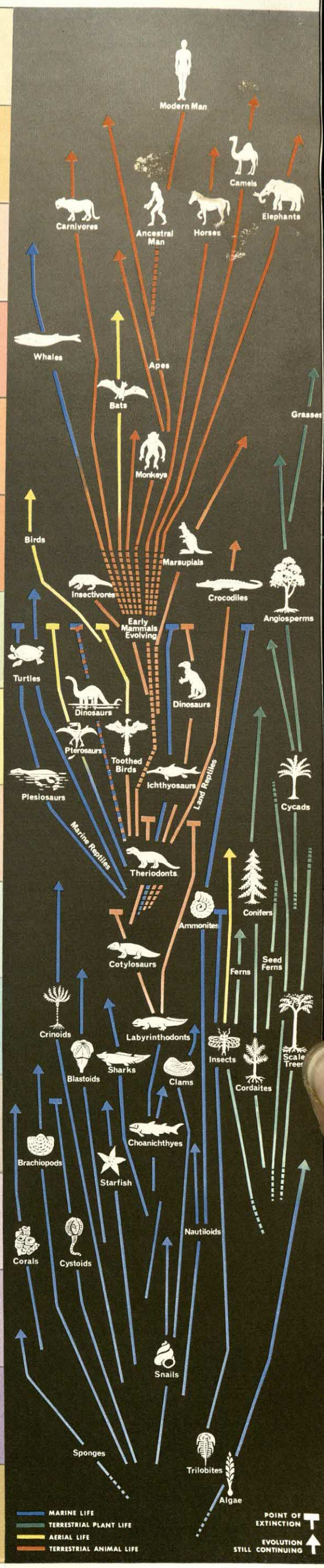
Thus, the evidence deduced from rocks and fossils reveals not only the general pattern of evolution in plant and animal life, but the development of the world's oceans, continents, mountain ranges and rivers, as well as changes in climatic conditions. From geological research we know that lion, rhinoceros, elephant and hippopotamus once roamed over the country we now call Britain, and that the summit of Mount Everest—where marine fossils have been found—is composed of limestone which was originally formed under the sea.

GEOLOGY OF THE BRITISH ISLES



GEOLOGICAL DIVISIONS	GEOGRAPHICAL CONDITIONS
CAINOZOIC (MODERN LIFE)	
Holocene started 10 thousand years ago	The ice continues to retreat, causing the sea level to rise further. Britain, joined to Europe during the glacial period, is cut off from the Continent. Landscape much as we see it today. Climatic conditions gradually become more equable. In North Africa and the Middle East, increasing dryness produces deserts.
Pleistocene started about 2 million years ago *lasted c 2 million years*	Ice-sheets and glaciers cover most of Europe, America, Antarctica and the Himalayas. The ice melts periodically, thus raising the sea level, and the land masses of Europe and North America, which have been pressed down by the enormous weight of the ice, begin to rise. (Scandinavia today continues to rise at a rate of a centimetre a year.) Melting ice forms the Great Lakes of North America, the lakes of Switzerland and Northern Italy, and the lakes of Great Britain. The tremendous weight of retreating glaciers cuts out the fjords of Norway. Landscape begins to take on present-day form and appearance. A period of abnormal and extreme climatic changes.
Pliocene started about 7 million years ago *lasted c 5 million years*	Continents and oceans begin to take on their present form. Land subsidence leads to formation of the North Sea, the Black and Caspian Seas, the Sea of Aral. Formation of mountain ranges continues, though on a reduced scale. Climatic conditions are much like today's, but with a broader temperate zone.
Miocene started about 26 million years ago *lasted 19 million years*	Powerful Earth movements lead to a further retreat of the sea. The Mediterranean becomes virtually a land-locked ocean. The European and Asian land masses are finally joined together. Increased rainfall leads to intense erosion in some parts. Further powerful movements in the Earth's Crust complete formation of the Alps and lead to formation of the Himalayas. Much volcanic activity. Climates tend to become more varied: dry and arid in some regions, cool and wet in others.
Oligocene started about 38 million years ago *lasted 12 million years*	Throughout this period the land mass grows at the expense of the sea. Extensive movements of the Earth's Crust in the Americas and in Europe. The Alps begin to form. Warm, temperate conditions continue, but parts of the land mass experience a cycle of cooler winters.
Eocene and Palaeocene (combined) started about 65 million years ago *lasted c 27 million years*	The subsidence of much of Europe causes the seas to advance once again. Tropical vegetation, like that in present-day Malaya, flourishes in southern England. Mountain ranges which began to form in the Cretaceous period continue to grow. Volcanic activity leads to the formation of the Atlantic and Indian Oceans, and causes vast amounts of lava to be deposited in areas as far apart as the Arctic, Scotland and Ireland, and southern India. Tropical conditions are more widespread than today, but glaciers exist on high mountain ranges in western North America.
MESOZOIC (MIDDLE LIFE)	
Cretaceous chalk started about 136 million years ago *lasted 71 million years*	Land areas bordering the sea consist of far-reaching swamps. The rivers flow slowly and form enormous deltas. Widespread deposits of chalk, now seen in Britain in the white cliffs of Dover and Dorset. Chalk formations also accumulate in North America, north-west Canada, Alaska and Mexico. Period of major mountain-building. The Rocky Mountains, the Andes, many European ranges and the Panama Ridge—giving rise to the Gulf Stream—begin to emerge. The climate continues to be mild, causing vegetation to grow abundantly as far north as Greenland, though parts of Australia appear to be covered by glaciers.
Jurassic after Jura mountains in France and Switzerland started about 193 million years ago *lasted c 57 million years*	The seas advance again. Most land areas consist of forests or swampy plains with lakes and meandering rivers. The high mountains, already eroded by the arid climate of the previous period, are reduced to low hills by the wet conditions. Much of Asia and Europe, including the neighbourhood of Britain, is invaded by the sea. A period marked by the formation of limestone, as in the Cotswolds, southern Germany, France and Switzerland. The climate is predominantly mild, becoming sub-tropical in some regions later in the period. There is sufficient rainfall to support luxuriant vegetation.
Triassic after three-fold mountain system in Germany started about 225 million years ago *lasted c 32 million years*	Deserts and shrub-covered mountains make up most of the Earth's land area. What is, today, Britain is covered by warm, salt lakes surrounded by deserts. Formation of marl and sandstone deposits in the warm seas. Hot, dry conditions prevail almost everywhere. Climate becomes wetter towards the end of the period.
PALAEOZOIC (ANCIENT LIFE)	
Permian After Russian province of Perm started about 280 million years ago *lasted 55 million years*	The British Isles form part of a semi-arid continent. Arms of the sea are cut off and turned into vast inland lakes by the warping of the Earth's Crust. The lakes start evaporating, a process that eventually leads to the formation of the world's chief potash deposits. A period of considerable Earth movements. Lofty mountains form in Europe, Asia and eastern U.S.A. (Appalachians). Contrasting climatic conditions. Mainly arid in Northern Hemisphere, with occasional warm and humid zones, but ice-age conditions cover much of the Southern Hemisphere.
Carboniferous the coal age (Upper Pennsylvanian and Lower Mississippian) started about 345 million years ago *lasted 65 million years*	Clear, shallow seas widespread in early period; most of Europe and large parts of Russia under water. Later, sea beds begin to rise, exposing great stretches of land. Other land areas sink, producing brackish swamps over much of Europe and North America. Chief coal-forming period, particularly in Northern Hemisphere. Partly-rotted vegetation in forest swamps slowly accumulates as peat, and later forms coal. The land climate is extremely dry throughout most of the period, but in some regions it is warm and moist enough to encourage dense vegetation.
Devonian after county of Devon where fossils of this period first found started about 395 million years ago *lasted 50 million years*	Land area increases at expense of sea. A period of extensive mountain-building and volcanic activity. Pebbles, sand and mud, washed off the newly-made mountains, form the "Old Red Sandstone" of north-west Europe. The shales and slates of Devon and Cornwall also date from this period. Warm and semi-arid climate in north-west Europe and over a large part of North America, with heavy seasonal rain. Equable conditions prevail elsewhere.
Silurian after Celtic tribe, the Silures started about 435 million years ago *lasted c 40 million years*	The level of the seas tends to rise and fall periodically, causing regular changes in the land areas. Rocks formed in this period have been found in Shropshire and Worcestershire, in the Baltic and in the region of the Niagara Falls. New mountain ranges are beginning to form. Less volcanic activity than in Ordovician times. Generally warm and equable climate, but exceptionally dry in certain areas.
Ordovician after Celtic tribe, the Ordovices started about 500 million years ago *lasted c 65 million years*	The seas continue to advance and retreat. Many areas of the sea floor become dry land as the shallow seas deposit ever-increasing amounts of sand and mud, as in North America. Rocks of Ordovician period have been found not only in Wales but also in parts of North America and north-west Europe. Mountain-building in these regions. Volcanic eruptions on the floor of the sea, which covers central Wales during this period, creates huge volcanic beds out of which Snowdon is subsequently carved. The climate appears warm and even, with no marked climatic zones.
Cambrian after Cambria, Roman name for Wales started about 570 million years ago *lasted 70 million years*	Shallow seas cover much of the Earth. The seas tend to advance on and retreat from the land areas, some of which are probably little more than deserts. Cambrian rocks form in Wales, north-west Scotland and western England. Similar rock formations occur in Canada, and the U.S.A.—rocks from which the Grand Canyon is later carved form in this period. Considerable volcanic activity in Europe, but no evidence of important mountain-building in this period. Climatic conditions are moderately warm and equable.
PROTEROZOIC	
Pre-Cambrian	Beginning as a whirling globe of inter-stellar gas, the Earth passes through a liquid state and forms a solidified crust. Thick, steamy atmosphere surrounds the planet. As the Earth's surface cools, water vapour condenses as rain to produce rivers and seas. The surface now forms a barren landscape of mountains, deserts, volcanoes and steaming lava fields. Many pre-Cambrian rocks have been so crushed and altered by heat and by pressure of subsequent Earth movements that it is almost impossible to determine their original nature. The hot climate is broken up by a series of ice ages.

VEGETATION	LIFE IN THE SEA	LIFE ON LAND
With the retreat of the ice and the arrival of warmer summers, forests begin to spread all over Europe. Tundra vegetation (mossy, marshy plains) is replaced by birch and pine, followed by hazel and then by oak and elder.	Marine life much as it is today.	Man learns to domesticate animals and cultivate plants.
Succeeding ice ages cause many plants in Europe to perish, leaving only hardier varieties—oak, willow, poplar, elm, hawthorn. In America and Asia, vegetation seeking warmer climates encounters no sea or mountain barriers, and more plants survive.	Marine life much as it is today.	Ape-like creatures develop enough intelligence to make stone implements for cutting up animals they have killed, thus marking the transition to primitive man. Probably originating in Africa, primitive man spreads to Asia and Europe. Alternating ice ages and warm periods change the migration habits of other mammals. In one glacial period, reindeer and Arctic fox roam southern England. In the warmer period, hippopotamuses live in the Thames, lions range as far north as Yorkshire. True elephants, horses, oxen first appear.
Some plants of this period, such as the maidenhair tree, die out in Europe but survive in China and North America.	Giant sharks become extinct, as did creatures that grew to a great size in other periods. Marine life, both plant and animal, becomes much as it is today. There are only marginal developments from this period onwards.	The number of mammal species declines, with the notable exception of the man-like apes, which continue to develop and thrive. These apes come to include not only the forest-dwellers, but the species known as *Australopithecus* which walks upright in open country and may be ancestral to man. Elephants also thrive, and roam as far afield as Suffolk and Norfolk.
Mild, damp climate in Europe and North America stimulates development of deciduous woods — maple, oak and poplar. Cedars and sequoias are established on higher ground. The great plains of North America become covered with prairie grasses.	Bony fish continue to increase in variety. Sharks, particularly abundant during this period, grow to enormous sizes, measuring over 60 feet in length, and having teeth six inches long.	*Proconsul,* a primitive anthropoid ape living in central Africa, migrates to Asia and Europe. A gibbon-like ape, known as *Pliopithecus,* is common in the forests of southern Europe. Elephants, steadily increasing in size, spread from Africa into Europe, Asia and North America. Long-legged waterbirds, ducks and pelicans live in rivers and lakes. Primitive penguins, some as tall as man, live in Antarctica.
As a cooler climate affects some parts of the world, forests dwindle and grasslands spread, leading to an increase in grass-eating mammals.	A period in which new species of crabs, mussels and snails evolve.	The ancestors of modern cats, dogs and bears evolve. The number of plant-eating animals increases—small elephants with short trunks, and tusks in both upper and lower jaws, hoofed animals with odd numbers of toes, and giant rhinoceros. A tail-less, primitive ape, possibly related to the ancestors of man, appears.
Flowering plants, including deciduous trees, become dominant. The warm climatic zone, which stretches right up to Greenland, allows palms to grow in the region of Bournemouth, and Malayan-type jungles in the region of London.	Marine reptiles have become extinct, but two groups of mammals—early whales and sea-cows—begin to adapt themselves to life in the sea. Most species of fish in the ocean take on the shape and forms we know today.	Many varieties of modern mammals come into existence—ancestors of the elephant, the rhinoceros, the horse, the pig, and cattle. Giant reptiles have disappeared, but crocodiles, turtles and land tortoises evolve, as do all groups of insects that we know today. Primitive monkeys and gibbons appear in Burma.
A mild climate with alternating seasons—a feature of this period—encourages the growth of deciduous trees—fig, magnolia, poplar, plane. The parallel evolution of insects and nectar-bearing flowers encourages the spread of flowering plants.	Fish evolving in this period are closely related to the porbeagle sharks, rays and herrings of today. Marine life continues to be dominated by reptiles, giant turtles and mosasaurs—long, slender creatures resembling sea-serpents. Flying reptiles (pterosaurs) have a wing span of over 20 feet. (Their remains have been found in Yorkshire, Kent and Sussex.)	Giant reptiles, dinosaurs and pterosaurs, dominate life on land and in the air. Ichthyosaurs dominate life in the sea. Birds evolve into two types: one with well-developed wings, similar to modern birds, the other a sea-bird, almost wingless but with strongly developed legs for swimming. By the end of the period dinosaurs become extinct. Mammals remain inconspicuous throughout this period, but by its end placental mammals (whose young are nourished directly by the mother's blood until birth) have developed.
Conifers, cycads, ferns and tree-ferns continue to flourish. Some cycads have flower-like cones—the first step in the evolution of flowers.	In the seas, the dominant animals are aquatic reptiles like ichthyosaurs. Rapid swimmers, they prey on fish and other marine creatures.	Reptiles increase in size and variety. Some take to the air; the first bird, *Archaeopteryx,* evolves feathers from scales, but retains many reptilian characteristics such as teeth, solid bones and a jointed tail. *Pterosaurus* develops wings made of skin stretched between body and fingers. Some reptiles, too large for survival on land (*Diploducus,* length 84 feet, weight 35 tons), live in swamps and marshes. Mammals remain small and primitive, no bigger than rats, and live mostly in woodlands.
Arid conditions in the Northern Hemisphere discourage the development of plant life at the beginning of the period. Later, wetter conditions stimulate the growth of conifers, cycads and ferns.	The first ichthyosaurs, carnivorous, fish-shaped reptiles, evolve in this period. So do flying fish and the first lobster-like creatures.	Reptiles continue to dominate life on land. The first mammals—warm-blooded creatures—evolve from the reptiles. Dinosaurs, no more than six inches long, are present for the first time. The first flies and termites appear.
As seasonal differences of climate and temperature develop, evergreen plants begin to decrease in number, and deciduous plants, able to withstand periods of drought and frost, appear.	This period marks the end of the dominance by marine creatures, as animal and plant life on land increases.	Creatures capable of living on land increase in number and variety, ending the period of domination by marine creatures. As in the sea, however, animal life is predominantly reptilian. A great variety of insects begins to emerge.
Giant evergreen trees, reaching heights of over 100 feet flourish in the tropical swamp of the period which knows no seasonal changes of temperature.	Amphibious creatures continue to develop. Living in swamp-land on the edge of lakes, they are small, salamander-like animals to begin with, but reach sizes of up to 15 feet by the end of the period. Marine life, both plant and animal, abounds in many varieties.	The reptile becomes the first creature to breed on land. Certain species of insects develop wings.
Earth begins to look green, as plants with roots, stems and leaves evolve. They range from small, herb-like growths to trees of 40 feet or more in height. By the end of the period, various kinds of ferns, horsetails and seed-ferns have evolved.	Rapid evolution of vertebrate animals. Ancestors of all modern fish evolve. Primitive sharks, measuring up to 20 feet, appear. In consequence, this period has become known as the "Age of Fish." By the end of the period, the first amphibious animals have come into existence.	With land plants to feed on, the first invertebrate animals leave the sea and adapt themselves to life on land. They include millipedes, mites, spiders, and wingless insects.
Plants first adapt themselves to life on land, but are still leafless. (Fossil remains have been found in Australia.)	New species of vertebrate animals develop in the sea. Appearance of sea-scorpions, heavily armoured animals reaching nine feet in length. (Fossil remains of Jamoytius, a primitive vertebrate of this period, have been found in Lanarkshire.) Plant life becomes more varied in structure, and coral reefs develop on a large scale.	First plants appear on land.
Plant life confined to the sea.	All life still restricted to water, but first vertebrates appear. (Remains of ostracoderms—bony, armoured creatures—have been found in western U.S.A.) Plant life does not advance beyond seaweeds.	No life.
Plant life confined to the sea.	Life exists only in the seas. All the major groups of invertebrates evolve. Seaweeds, still the only plants, provide food for these animals: worms, jellyfish, starfish, sponges — and trilobites, the dominant and most advanced animals, of which there are more than 1,000 species, ranging in size from a pin-head to 18 inches. (All now extinct.)	No life.
Seaweeds are the only form of vegetation.	Life originates in the warm seas at some time during this period. (How it originated is still a mystery.) It is very primitive, taking the form of seaweeds and mainly soft-bodied invertebrate animals.	No life.



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THE GREAT OCEANS

And the gathering together of the waters called he Seas—GENESIS 1

OUR world is awash with water. No other planet, as far as we know, has anything like a sea, but seven-tenths of the Earth is covered by great oceans, the Pacific alone having an area of more than 63 million square miles. The seas' average depth is 12,000 feet (two and a half miles) compared with an average land height of only 2,500 feet.

Beneath the surface there is no uniform mass of water, but a series of well-defined layers, each with its own characteristics, such as temperature, salt-content and marine life.

Coursing through these layers are fast currents, some of them hundreds of miles long and up to 100 miles wide. These currents not only affect the positions of fishing grounds, but may also influence the world's climate; for a change in the direction of a current can alter the weather far inland.

The sea bed is not merely land covered by water. It consists of a thin layer

The *continental shelves* are the threshold of the sea; submerged slabs of land, rather than the true ocean bed, with floors made of the same material as the adjacent land; the edge of this shelf is often nearly parallel to the coastline. They vary in width from a few miles to the 800 miles of the Russian Arctic and slope very gently to depths between 200 and 1,000 feet.

The *continental slopes* mark the edge of the continent. Sloping quickly to oceanic depths, they are the longest and highest escarpments known. Their average height is 12,000 feet, but some drop in unbroken slopes of 30,000 feet—a thousand feet higher than Mount Everest.

From the foot of the continental slopes the deep ocean basins reach out across half the surface of our planet. These basins, some two and a half miles down, are, in fact, ribbed with mountain ranges, pitted with deep valleys and floored by abyssal plains. The basins are carpeted with sediment, formed by the minute remains of creatures and rocks sifting down through the sea since time began. In places, the carpet is two miles thick—often built up at a rate of fractions of an inch in thousands of years. Scientists, lowering their instruments to the sea bed, take cores of the sediment, which they interpret like the rings in the trunk of a tree. One day they hope to sink a core right down to the hard rock beneath the sediment; they may then be able to trace the story of the oceans back to their very beginning.

Winding, steep-sided canyons cut across the edges of many continental slopes. Some may have been worn away by underwater currents; others, near the mouths of big rivers, were probably carved by slow erosion from the rivers when the sea was much shallower.

Challenger Deep is one of the deepest parts of the sea bed. Its floor lies 35,640 feet beneath the surface of the Pacific. There the water is perpetually near-freezing, yet forms of life are still to be found. The United States bathyscaphe *Trieste* touched bottom on 23rd January 1960 in Challenger Deep which is part of the Marianas Trench.

The volcanic island of Krakatoa completely disappeared in 1883 after the most explosive eruption ever recorded. When the volcano blew up, the sound was heard 3,000 miles away. Great tidal waves, which drowned tens of thousands of people, were felt even in the English Channel; and the volcanic dust tinged sunsets the world over for nearly a year. A thousand feet beneath the surface of Sunda Strait was a vast crater, all that remained of an island that had once stood 1,400 feet above the sea. In 1929, a new island suddenly emerged in the same place, it was named Anak Krakatoa—Child of Krakatoa.

Most mid-ocean islands are volcanic, thrust up through the sea bed by violent eruptions. The Hawaiian volcano Mauna Kea is the highest mountain on Earth. It rises sheer from the sea bed to 31,000 feet, of which only 13,823 feet show above the surface.

Coral is formed of the skeletons of tiny marine animals—yet the coral islands are the largest structures built by any living creature. The Great Barrier Reef of Australia, 1,260 miles long and 500 feet thick, is a vast coral honeycomb where fish, plant and rock forms make the most exotic jungle in the world. The coral atolls that dot the Pacific are monuments to sunken islands—and to the tiny creatures that build them, keeping pace with each island's descent into the sea bed. When the depth of Eniwetok atoll was measured, it was found that countless generations of coral animals had piled the atoll 4,000 feet thick on the submerged stump of island.

CONTINENTAL DRIFT

If the continents of the world are cut from a map, they can be made to fit together like the pieces of a jigsaw. Hence the theory that the Earth was originally one enormous continent, before it split up and the pieces drifted apart to their present positions. The theory, formulated earlier in this century, has recently won fresh scientific support. Magnetic measurements, showing which way rocks were facing when they were first formed, indicate that rocks all over the world were once differently orientated—in a pattern that seems to fit the theory of Continental Drift. Sandstones, some 200 million years old, found in Britain, suggest a Saharan climate; and the magnetic measurements indicate that Britain was then where the Sahara is now.

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of sediments overlying heavy basaltic rocks, that contrast with the lighter granitic rocks that underly the continents. It is the thinnest part of the Earth's Crust, and was probably formed at a different time and by a different process than the land, though when and how are not known.

We are only just beginning to learn about the bottom of the sea. Only a fraction of it has so far been observed or photographed in detail and less than two per cent has been accurately mapped.

It was once thought that the sea bottom was flat and featureless. But intensive research and exploration have revealed something of its grotesquely-etched landscape. Oceanographers, with measuring instruments developed in the urgency of war, have plotted features that dwarf anything known on land. There are mountains higher than Mount Everest and gorges deeper than the Grand Canyon.

This giant mountain chain in mid-ocean is believed to extend for 40,000 miles. At its crest is found, in many places, a rift valley indicating the tension existing in the oceanic crust. It is now believed that along this line new oceanic crust is being formed and that the sea floor is continuously spreading apart from it. Where a mid-ocean ridge meets a continent, such as in the Gulf of Aden, the continent is being split in two and a new ocean is forming.

This Mid-Ocean Canyon is one of the giant river beds scoured in the ocean floor by swift mud-carrying currents. The main branch is 2,000 miles long, two to four miles wide and 150 to 600 feet deep. Scientists suspect that many undersea telephone cable breaks have been caused by these surging masses of water. One such current was estimated to move at 50 miles an hour along a path 100 miles wide. These underwater rivers are believed to overflow their banks and then recede, leaving raised lips of mud like the levees formed along the banks of some land rivers. The largest of these mud banks, forming the shoulders of the Congo submarine canyon, is 600 feet high by 20 miles wide.

Unlike mid-ocean islands, offshore islands such as Britain are still linked beneath the sea to their nearest continents. Dogger Bank, in the North Sea, a plateau only 60 feet below sea level, was dry land in relatively recent times. The relics of forests and Stone-Age animal bones and tools have been found there.

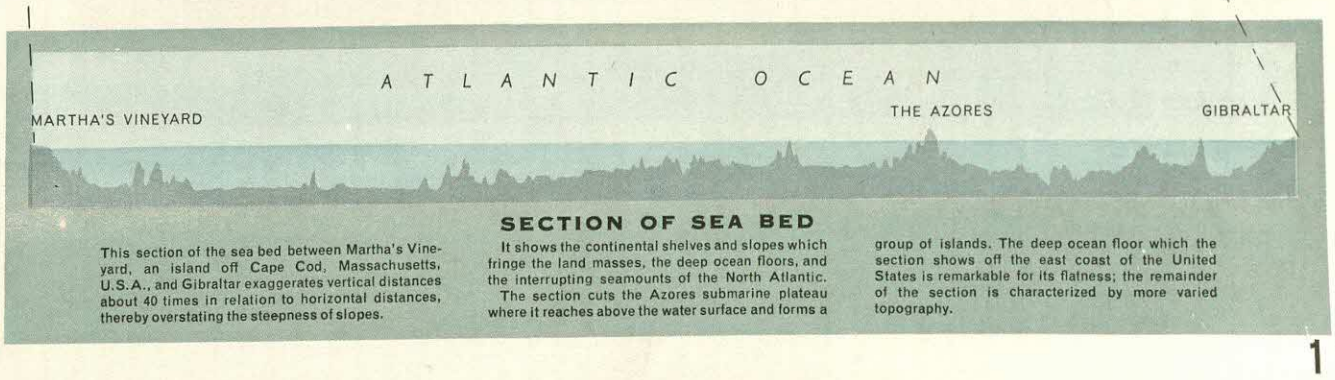
The Mid-Atlantic Ridge, part of the world-encircling mid-ocean ridge system, is the biggest range of mountains in the world—10,000 miles long and 500 miles wide. The average height of its crest is 10,000 feet, but most of the crest ends a mile below the surface. Some peaks thrust up to form islands like the Azores, where Mount Pico rises 27,600 feet above the sea bed.

Ascension, one of the youngest of the large volcanic islands, is scarred with the traces of 40 extinct volcanoes. Few trees can survive on its barren rock; there is a little vegetation, mainly round the island's highest peak, Green Mountain, a huge elliptical crater rising 2,817 feet above sea level.

So-called tidal waves are caused by violent earthquakes in the seabed. They travel as fast as 400 miles an hour with intervals of about 90 miles between the waves. In the open sea their crests may rise only one or two feet above the surface, but they can reach a height of 50 feet when nearing a shelving coastline. They cover vast distances: those that hit Japan in 1960 stemmed from earthquakes off the coast of Chile.

Another dramatic slope rises from the depths of the Peru-Chile trench to the crest of the Andes, a height of eight miles.

One of the most intriguing, unsolved mysteries of the sea is the origin of the flat-topped islands beneath the surface of the Pacific. So far about 1,000 have been charted, all over 3,000 feet high; geologists expect to have found another 10,000 by the time the ocean has been completely surveyed. The islands are encrusted with coral, proving that at one time they must have been at or near the surface, though today many of them are a mile or more beneath it. The coral dates from 100 million years ago, the age of the oldest rocks found in the Pacific. Some scientists believe a violent volcanic upheaval shook the Pacific floor at the time, scattering the sea bed with lava and throwing up the islands which later sank under their own weight. Another theory is that the Moon was torn from the bed of the Pacific, taking with it into space the missing links of rock history.

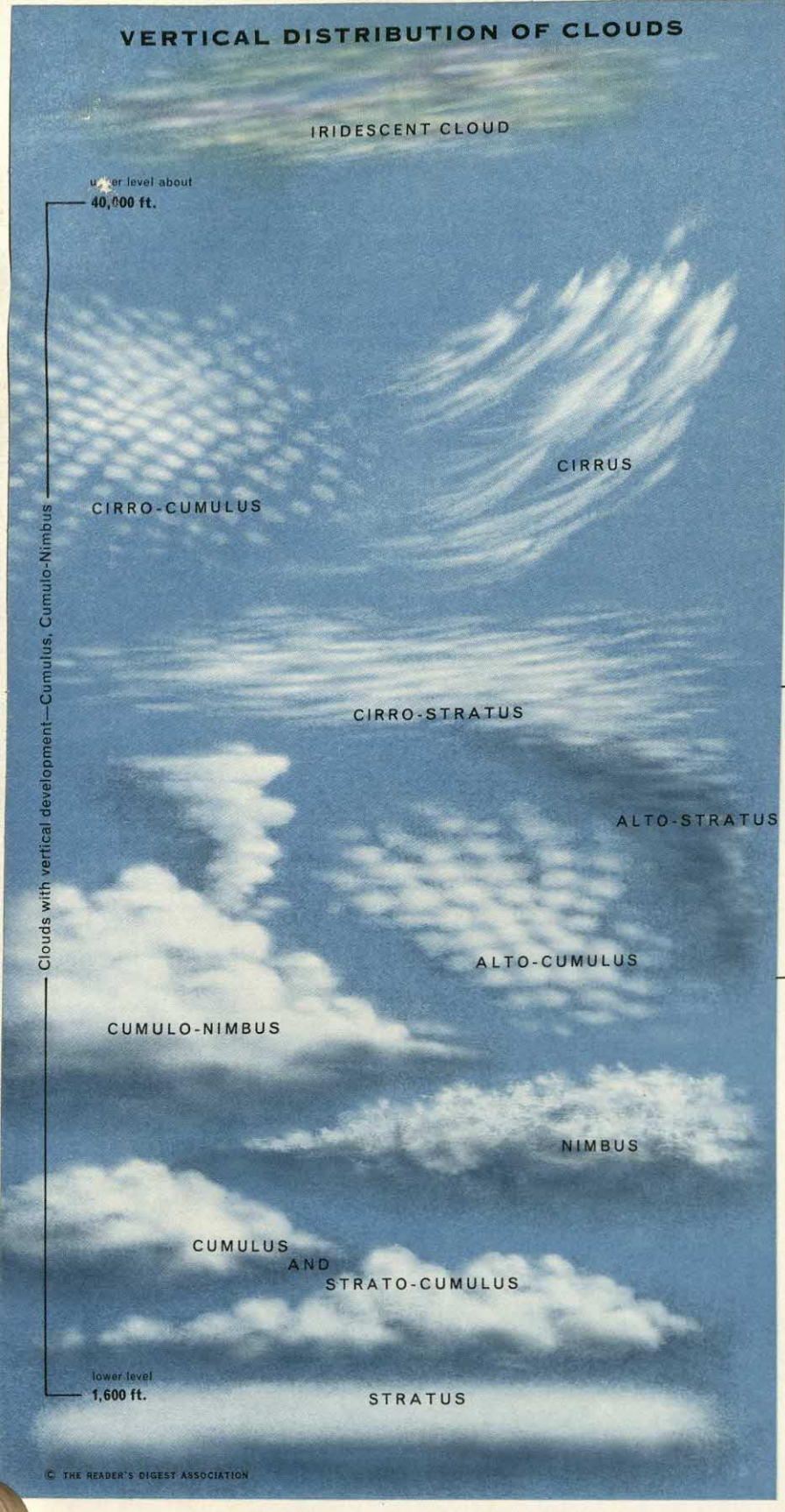


SECTION OF SEA BED

This section of the sea bed between Martha's Vineyard, an island off Cape Cod, Massachusetts, U.S.A., and Gibraltar exaggerates vertical distances about 40 times in relation to horizontal distances, thereby overstating the steepness of slopes.

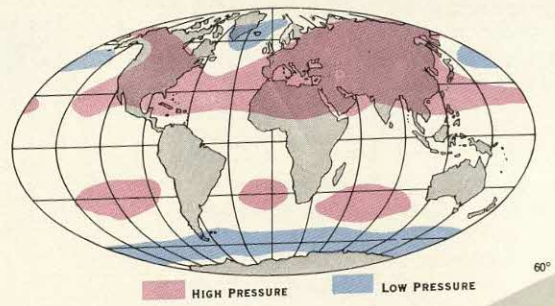
It shows the continental shelves and slopes which fringe the land masses, the deep ocean floors, and the interrupting seamounts of the North Atlantic. The section cuts the Azores submarine plateau where it reaches above the water surface and forms a group of islands. The deep ocean floor which the section shows off the east coast of the United States is remarkable for its flatness; the remainder of the section is characterized by more varied topography.

VERTICAL DISTRIBUTION OF CLOUDS



Cumulus and cumulo-nimbus clouds may develop vertically and extend through many thousands of feet of atmosphere across the high, middle and lower cloud belts.

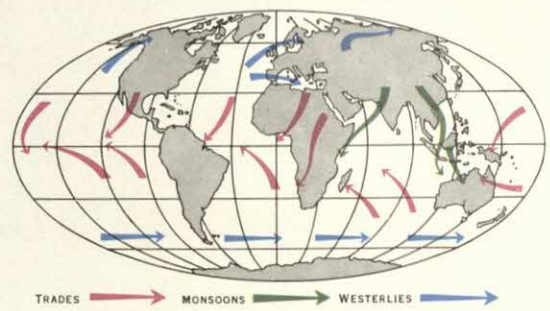
AIR-PRESSURE: JANUARY

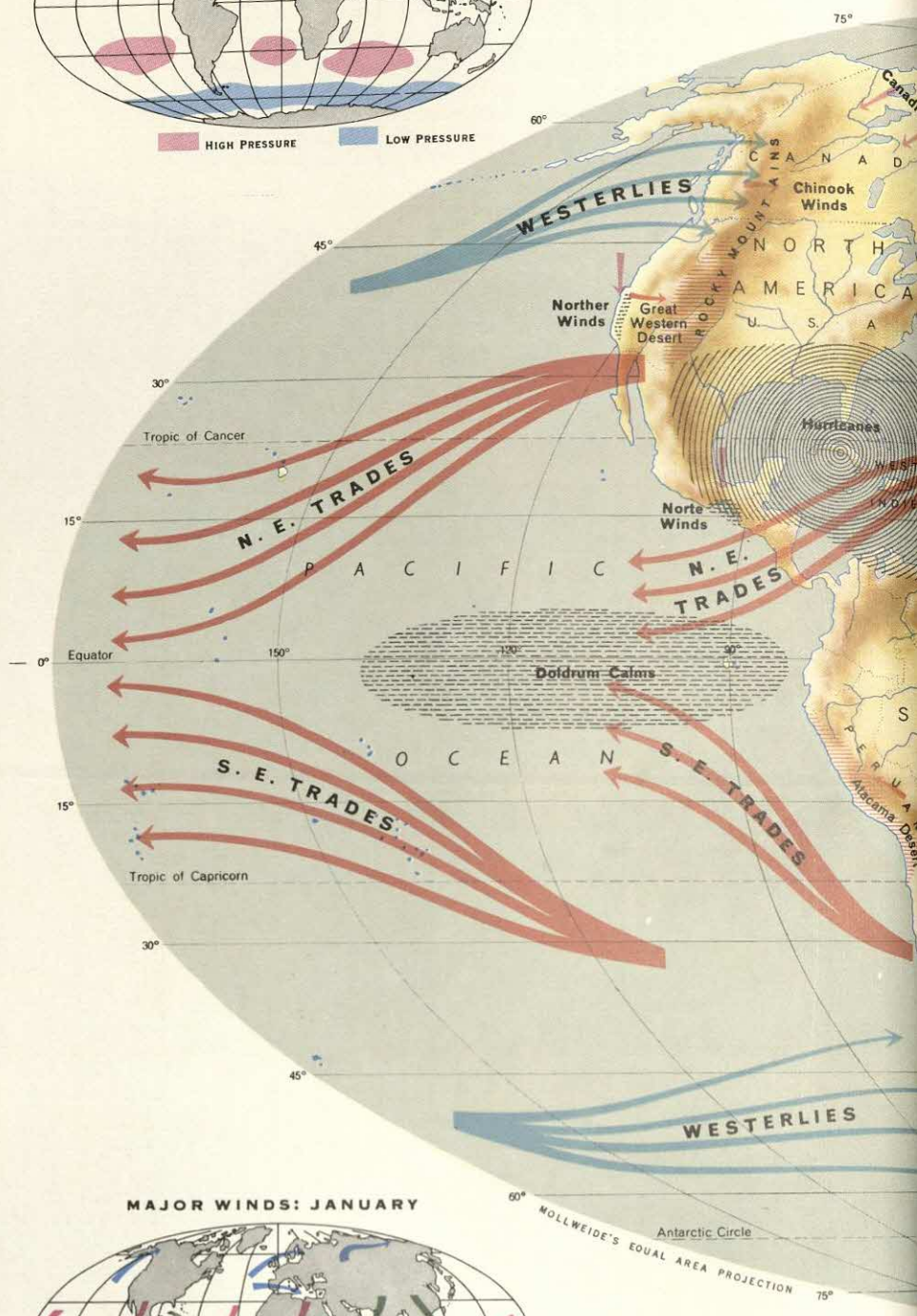


upper level very variable

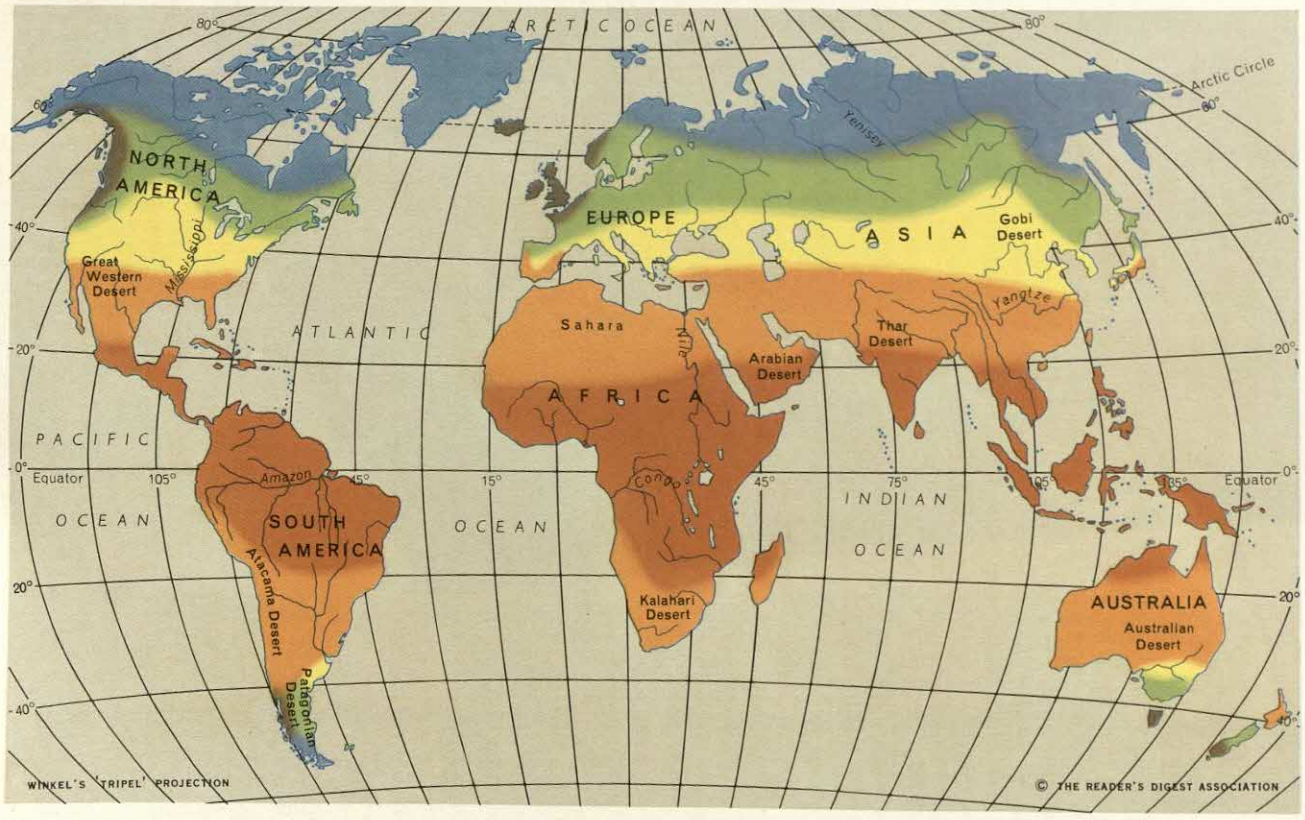
lower level close to ground

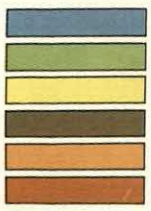
MAJOR WINDS: JANUARY





HOW HOT IS IT?





Almost all our heat comes from the Sun, and the amount depends largely on how much of the Earth's atmosphere the Sun's rays must penetrate. The closer to vertical the Sun becomes, the lesser the amount of atmosphere to be penetrated and the more heat we receive, though clouds and the nature of the surface affect it. The Sun's rays give little heat to the air.

Air is mainly warmed by contact with the Earth's surface. The sea warms more slowly and parts with its heat more slowly, so that climates near oceans are more equable than those in the centre of continents.

The heat of the Tropics is, to some extent, distributed by ocean currents and winds. Thanks to the Gulf Stream and prevailing south-westerly winds the British Isles enjoy an average temperature of 50°F. Labrador, on the same latitude, does not enjoy these physical phenomena. It has an average temperature of 32°F.

Average temperatures fall as we rise above sea level at about one degree Fahrenheit for every 300 feet in Great Britain, so that high mountains are always cold.

PATTERNS

But there went up a mist from the earth, which watered the whole face of the ground—GENESIS 2

THE climates of the World are mainly dependent upon latitude. Within the Tropics the climate remains fairly stable, but outside the Tropics, climates, due to the twice-yearly swing of the Sun across the Equator, are seasonal. These swings of the Sun have the effect of shifting the belts of high pressure, as shown in the small pressure-maps.

Since the discovery of the barometer, we now know that the atmosphere has weight: where the atmosphere has piled up to give high pressure it tends to flow outwards on the surface of the Earth, just as water would do, and so becomes a wind. The rotation of the Earth causes winds to bend to the right in the Northern Hemisphere, and to the left in the Southern Hemisphere. In the North Atlantic, for example, the winds flowing towards the Equator are north-easterly and are known as the North East Trades, while the winds flowing towards the North Pole are south-westerly and are known as the Westerlies.

The flow of the major winds is shown diagrammatically on the large map; the shift in their flow from summer to winter is shown on the small wind-maps.

When the land becomes heated during the summer months, the air above tends to rise, and surface winds blow in to take its place, so that often at the coast there are land breezes at night, and sea breezes by day. This is better seen on a larger scale in the Monsoons, which blow inwards to the continent of Asia in the summer, and less strongly and outwards in the winter.

The major winds are not constant, since they are affected and complicated by cyclonic depressions.

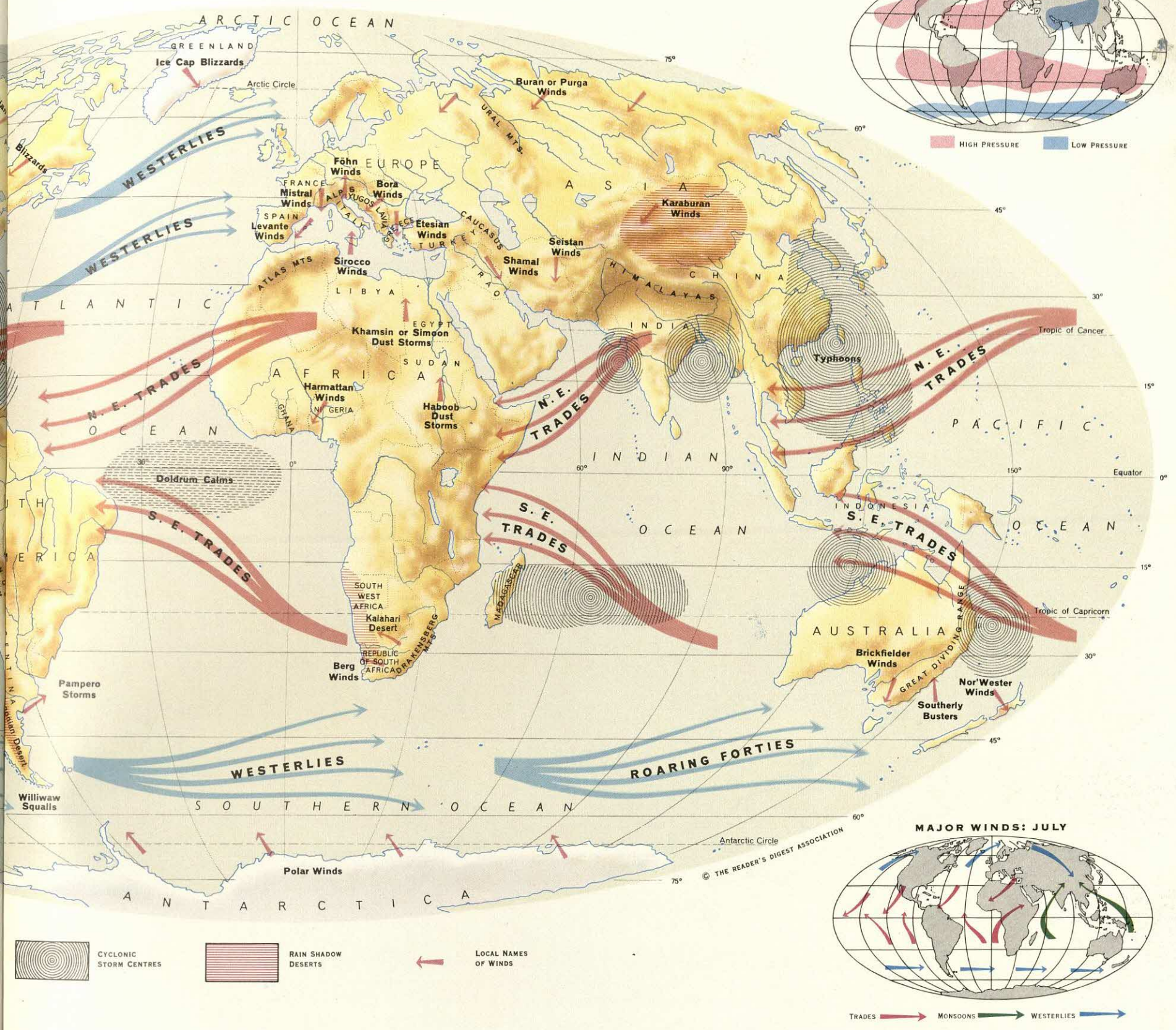
OF CLIMATE

The most constant winds are the South East Trades and the Westerlies in the higher latitudes of the Southern Hemisphere, where there is little land interference.

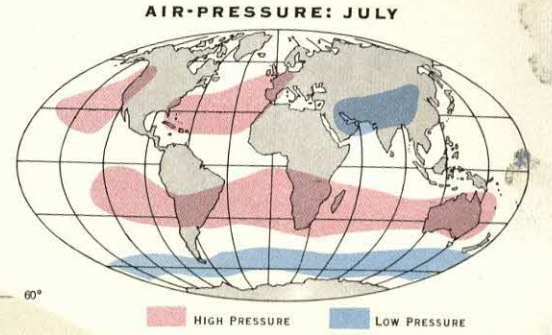
There are many local winds brought about by local conditions. Of those shown on the map, the Föhn of Switzerland and the Chinook of the Rockies in Canada are warm winds which blow down the mountains and melt the snows. A less pleasant warm wind is the Sirocco, which blows from North Africa across the Mediterranean to Northern Italy. The soft Etesian winds of the Aegean Sea are often mentioned in Greek literature. The cold Mistral, blowing down the Rhône Valley from the Alps, is an example of the unpleasant winds usually associated with high mountains adjacent to flat country. The vast Sahara Desert causes the Harmattan to bring dust to West Africa from November to March; but this wind, being dry, is a welcome change in West Africa's usually humid climate. The violent Pampero, blowing out to sea from Argentina, has long been known as a dangerous wind to sailing ships.

The Doldrums is a zone near the Equator where the rising of hot air creates calms and variable winds together with thunderstorms. In the days of sail, ships were often delayed in this area. A little farther away from the Equator there are occasional storms of great violence, known as typhoons in the East, as hurricanes in the Caribbean, and as tornadoes when they occur inland. These storms always follow a curved path, which can usually be forecast. All winds are slowed down by friction against the surface of the Earth, and produce eddies accompanied by rapid variations of air pressure. High up in the atmosphere winds are much more rapid, but much more steady.

WHERE WILL IT BLOW?



AIR-PRESSURE: JULY



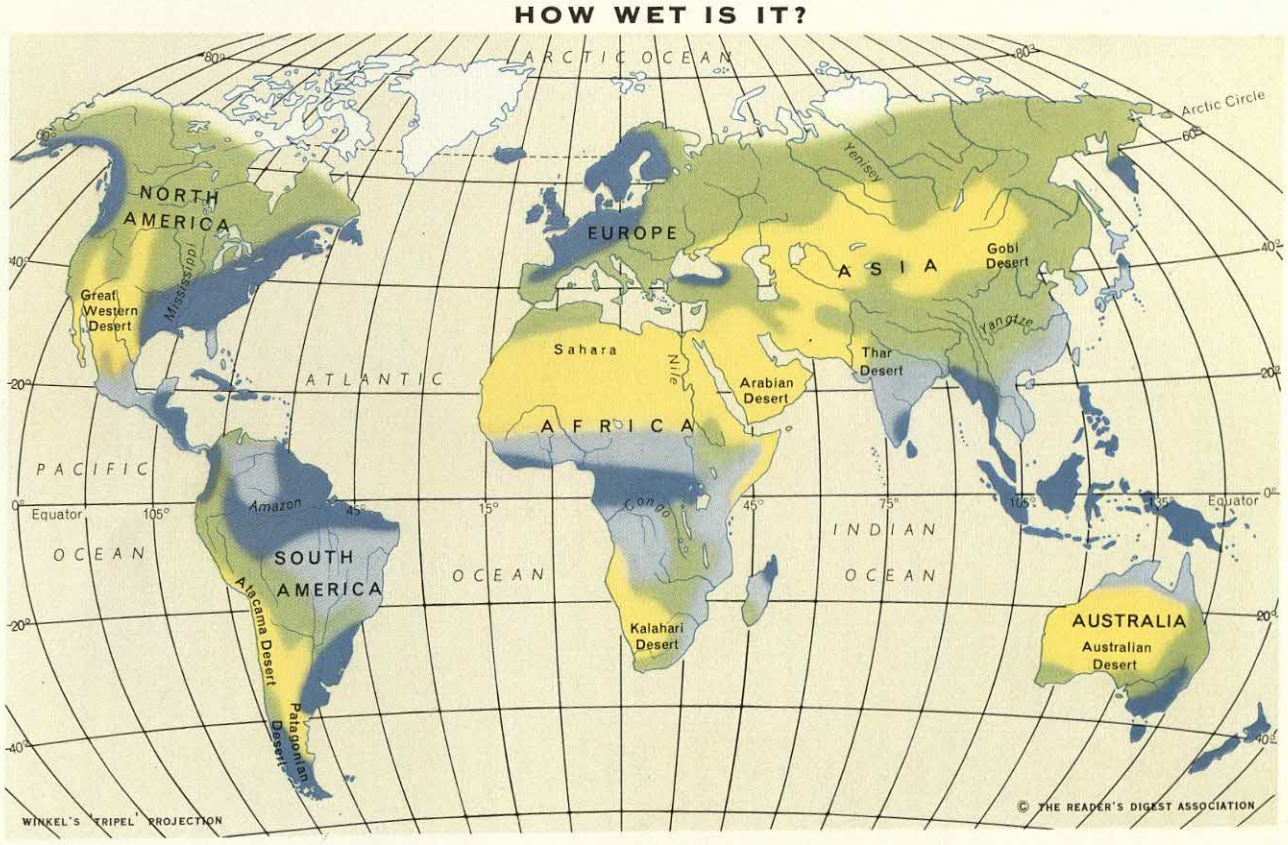
MAJOR WINDS: JULY

CYCLONIC STORM CENTRES

RAIN SHADOW DESERTS

LOCAL NAMES OF WINDS

HOW WET IS IT?



LIGHT SNOW

SELDOM RAINY

LIGHT SEASONAL RAIN

HEAVY SEASONAL RAIN

RAINFALL IN EVERY MONTH

Moist air rises when winds force it against a mountain or blow it over heavier, colder air. As the moist air rises it cools and condenses into minute drops of water, forming clouds. When the droplets in the clouds become too heavy to be sustained, they fall as rain.

Air is most likely to be moist over the sea and where temperatures are high. The wettest places of all are in the Tropics, where the sea air is blown against the windward slopes of high mountains. Rainfall belts move northwards and southwards following the apparent movement of the Sun, so that some places, such as the Mediterranean, have most of their rain in the winter, while others, such as the Monsoon regions, have most in the summer.

The driest areas on Earth are where winds have blown for long distances over heated land. But a local dry area may be caused by a range of mountains extracting all the rain on its windward side, leaving what is called a rain-shadow on its leeward side. Such an area is the desert of Northern Chile.

FRONTIERS OF CULTIVATION

DEVELOPMENT OF THE NATURAL AND CULTIVATED AREAS OF THE WORLD

And the earth brought forth grass, herb yielding seed after its kind, tree bearing fruit, wherein is the seed thereof, after its kind—GENESIS 1

ONLY about one-tenth of the world's land surface is at present under cultivation—little more than one acre per person.

The map shows the general distribution of vegetation—areas from which the natural vegetation has been cleared and the land cultivated for food and industrial crops such as fibres, cotton and rubber; areas where the natural vegetation is being utilized and developed; and areas which have remained in their natural state, with little or no vegetation.

In the areas of cultivation the maintenance of soil fertility is of the first importance. Bad husbandry, including the entire removal of trees, destroys the natural structure of the soil, with the result that it turns into dust, as in the great Dust Bowl of the United States, or into new man-made deserts, or is washed off unprotected slopes by rain, leaving behind bare unproductive subsoil, as in Yugoslavia and Greece.

The areas of *intensive* cultivation are those in which the optimum use is made of the soil. In Europe, the U.S.S.R., North America and parts of South America, South Africa and Australasia, cultivation of all kinds on a commercial scale is carried on, mainly with the aid of machinery. But in South and East Asia, where land is scarce and therefore precious, and the crops must support some of the densest rural populations in the world, much of the work is done with simple hand tools. Yet, even so, two crops of paddy rice a year are obtained as well as other kinds of cereal.

In the areas of *secondary* cultivation farming with crude tools and by means of rudimentary techniques predominates. The crops are largely grown for home consumption, though in some cases enough foods, such as cacao, oil-palm and peanuts, are grown for sale in local markets.

The areas of *shifting* cultivation are to be found near and among the tropical rain forests. Here land is generally cleared

WINKEL'S 'TRIPEL' PROJECTION

Ice Caps. Sparse growth of mosses and lichens in Antarctic regions; groups of dwarf willow, birch, mountain ash and alder in southern parts of Greenland, with mosses, saxifrage, Iceland poppy and other alpine plants among lichen-covered rocks.

Tundra. Subsoil permanently frozen, scanty vegetation of mosses and lichens; stunted bushes and trees (willow and Arctic birch) at the warmer margins. Warm, short summers thaw surface soil which produces rich growth of grass and flowering shrubs.

Coniferous Forest. Natural vegetation comprises coniferous trees with some deciduous trees and evergreens. Coniferous forests provide vast supplies of soft timber. In northern Asia the forests are mainly inaccessible owing to spring flooding of the great rivers.

Mountains. Below snow line alpine flowers flourish and slopes provide pasture for sheep and cattle; coniferous forests abound in northern latitudes though on mountain slopes of eastern Australia softwoods are found, and vegetation of the temperate regions of both hemispheres is found in central East Africa.

Grassland or Savannah. Areas richly covered by tall grass (sometimes tough, coarse and almost impenetrable), scattered trees or none at all, with undergrowth of herbaceous flowering plants, some with edible fruits. Fine ranching country in Rhodesia, East Africa and Angola, and in middle latitudes grain now grows.

Scrubland. Semi-arid regions of coarse grassland with low-growing dry brush and dwarf shrubs; used for grazing in Australia and South America.

Desert and Semi-desert. There are few desert areas where nothing grows. After rain small patches of quick-growing plants may spring up to flourish for only a few weeks. Desert oases are fertile regions. General vegetation is low thorny bush; typical tree is the date palm.

Tropical Rain Forest. These hot, wet forests (or selvas) contain luxuriant vegetation and a variety of trees, mainly hardwood, with tall, unbranched boles topped by thick crowns of leaves which prevent sunlight from reaching the ground. Clearance of land may be followed by quick-growing rank grass, bamboo and weeds, but successfully cleared land is fertile.

indiscriminately for individual needs, and after being wastefully denuded of its fertility by primitive farming methods, is abandoned.

Where land in the tropical rain forests is successfully cleared and maintained, it is fertile and suitable for the cultivation on a commercial scale of such plantation crops as rubber, tobacco, sugar, tea, oil-palm and cacao.

The areas of coniferous forest provide the major part of the world's soft timber—spruce, pine, fir—and by means of intensive afforestation some forests are being maintained and developed. The world's major logging and timber-working industries are found in North America and Europe.

The mountain slopes and much of the grassland and scrubland areas provide grazing for cattle and sheep and may thus be naturally maintained. Tropical grassland areas, when fully developed, may provide a variety of crops, such as maize, millet, cotton, sugar and groundnuts, with grain predominating in the more temperate regions.

Even in the deserts there are large areas of oases where the land is extremely fertile, and not only food crops are grown but grazing is also provided. The desert soil is often fine alluvial dust which, when irrigated, is exceptionally fertile, as in the Nile Valley, the Indus Plains and Lower Colorado. Some oases may cover hundreds of square miles.

But the patterns of cultivation vary from country to country according to their economic and social development. In the highly developed countries relatively few workers are able to provide sufficient of the right kind of food for the entire community. In the United States, for instance, 4,500,000 people (about 6 per cent of the working population) are employed on cultivation. On the other hand, in India 145,000,000 people (70 per cent of the working population) employed on cultivation produce barely enough food both in quantity and quality for the whole population of that country.

As the result of great advances in agricultural science since the Second World War, the yields in some areas such as North America, Europe, Australia and New Zealand have risen rapidly. In the less developed regions, post-war increases in agricultural production have been achieved mainly by bringing new land into cultivation. But as yet these areas have scarcely begun to benefit from applying scientific and improved technical methods of farming, so that only one-fifth of the world's agricultural output is produced with the aid of machines.

The symbols on the map show the areas where scientific and improved technical methods are being applied to improve the quality and yield of crops, and to bring back into cultivation land that is infertile or semi-arid. Of these techniques, irrigation and water conservation are of the first importance. Irrigation is one of man's earliest known ways of making the earth productive. In Egypt, in about 3000 B.C., the first Pharaoh built an embankment to control the flood waters of the Nile, and cultivation in Egypt today still depends on irrigated land. In China, ancient irrigation systems, some built 2,000 years ago, are still in use. In Latin America, the proper use of water supplies has now brought large areas of land under cultivation.

Other techniques which are being applied include the breeding of improved, disease-and-pest-resistant varieties of seed; the building up of soil fertility through the use of legumes and crop rotation; the introduction of new crops to provide a more varied and nutritious diet and to lessen a country's economic dependence on a single crop; forest conservation and afforestation; the better use of organic wastes as manures and the increased application of artificial fertilizers; better methods of cultivation, improved tools and the increased use of farm machinery; the reclamation and settlement of new lands; the control of pests, such as the locust and the tsetse fly.

By these methods, added to his own traditional skills, man is making the earth more fertile and so extending the frontiers of cultivation.

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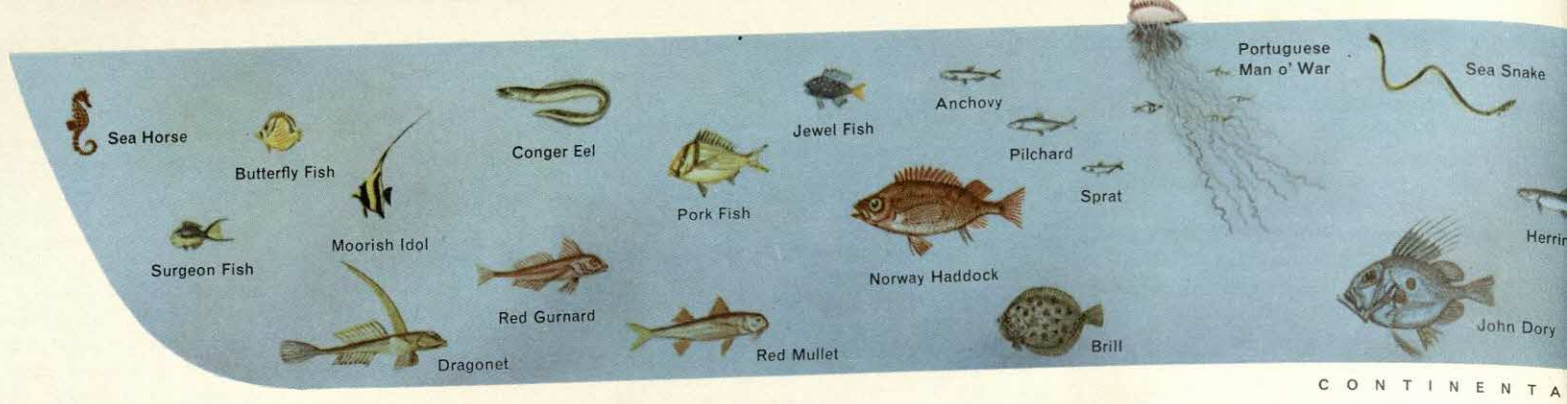
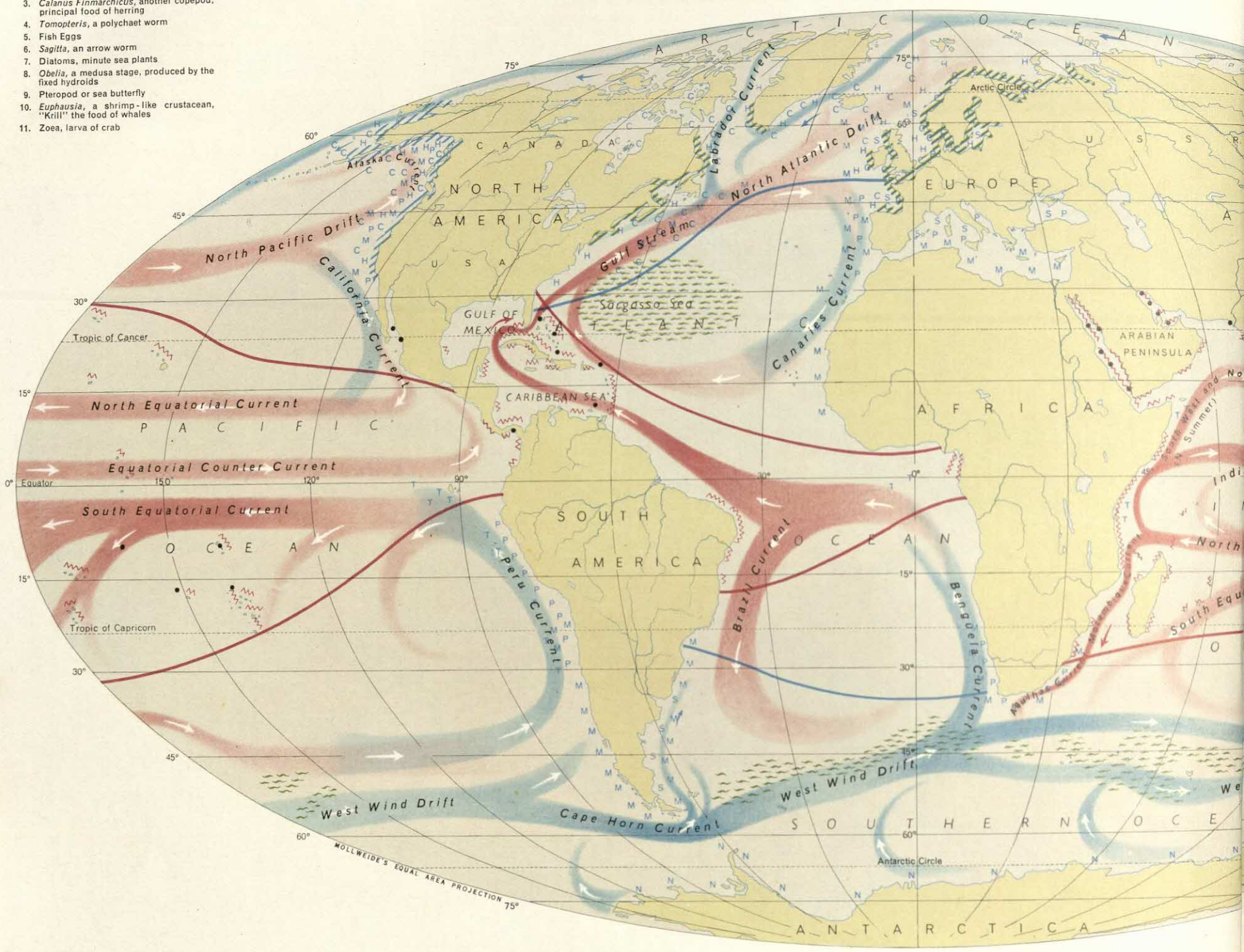
Various plankton, many times enlarged :—

1. *Pleurobrachia*, sea-gooseberry or comb-jelly
2. *Temora Longicornis*, a copepod crustacean
3. *Calanus Finmarchicus*, another copepod; principal food of herring
4. *Tomopteris*, a polychaet worm
5. Fish Eggs
6. *Sagitta*, an arrow worm
7. Diatoms, minute sea plants
8. *Obelia*, a medusa stage, produced by the fixed hydroids
9. Pteropod or sea butterfly
10. *Euphausia*, a shrimp-like crustacean, "Krill" the food of whales
11. Zoea, larva of crab



CONTINENTA

OCEAN CURRENTS AND FISH DISTRIBUTION



LIFE IN THE SEA

And God said, Let the waters bring forth abundantly the moving creature that hath life—GENESIS 1

THE SEA, where life began, contains almost every main category of animal life—including mammals, the warm-blooded group to which man belongs. True fish are but a small section of the sea's community: whereas there are 15,000 known species of sea-fish, there are 60,000 known species of mollusc (the group which includes oysters, mussels, etc.).

In the sea, as on land, life depends largely on plants, and the plants of the ocean are almost as productive, acre for acre, as the plants on land. The pastures of the sea and the basis of its life cycle are countless myriads of free-floating, microscopic plants known as phytoplankton. These are the food of minute animals called zooplankton. Zooplankton are preyed upon by larger animal species, which themselves provide food for still bigger creatures. So continues a ruthless and never-ending cycle, for the plants in their turn are nourished by minerals derived in part from the decay of marine organisms.

Since most plants need sunlight for their survival, marine plants grow only within about 300 feet of the water's surface. A large part of sea life is, therefore, confined to this topmost layer, which is continually being refertilized by the action of the ocean currents.

The movement of currents, by which the oceans "plough" themselves, is caused by three main forces: the prevailing wind, the Earth's rotation and differences in the sea's density. Winds drive immense bodies of water before them, forming surface currents. At the same time, the Earth's rotation, which deflects moving things to the right in the Northern Hemisphere and to the left in the Southern Hemisphere, causes these ocean surface currents to move in a clockwise or anti-clockwise direction, as shown by the whirls on the map.

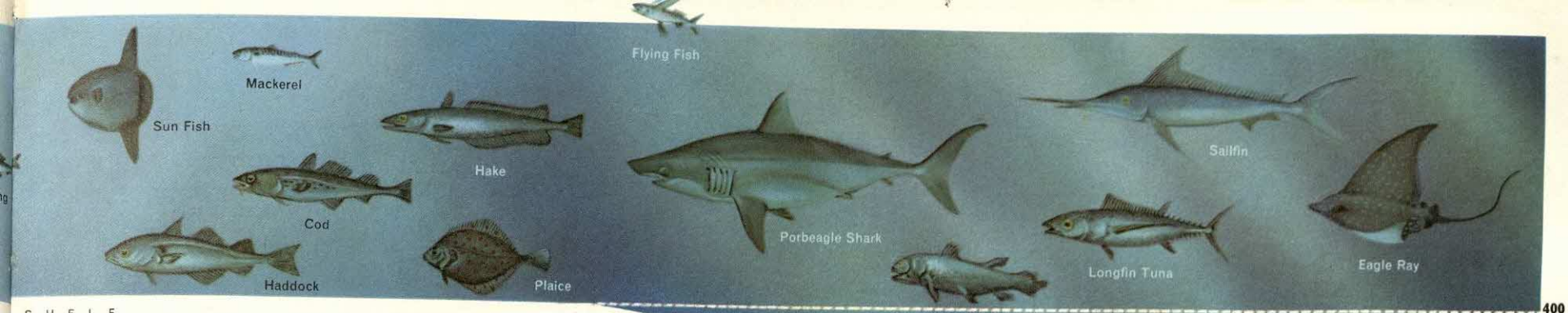
Where currents meet or diverge, where cold or salty water sinks beneath water that is less dense, or where coastal winds blow the surface water seawards, a circulation is set up which may penetrate to the ocean bottom. Surface water is then replaced by upwelling water rich in nutrient salts, which stimulate new growths of marine plants. Thus the herbivorous animal plankton thrives and the sea becomes fertile for fish. It is understandable that many of the world's great fisheries are found along the paths of ocean currents.

Beneath the sunlit 300-foot layer, life is sparser and creatures need special equipment for the fierce struggle for survival. Angler fish, with huge, expanding stomachs, can swallow creatures larger than themselves, and thus make one meal last a long time. Other fish, like *Gigantura*, have very sensitive tubular (telescopic) eyes that help them to see their prey in the near-darkness. Perhaps the most remarkable adaptation to life in the deep is that of certain deep-sea angler fish. Their reproduction depends on but one chance meeting in the barren depths, after which the female carries the male permanently with her. The male is much the smaller and is parasitic on his partner.

For the most part, however, the sea's species have not had to assume such specialized forms to cope with their environment. The oceans do not have the harsh seasonal and regional contrasts of land. Surface water temperature in any one region seldom varies more than a few degrees, and fish, whose bodies consist largely of fluid at the same temperature as their surroundings, do not, therefore, need any particular mechanism for keeping warm or cool. Again, the profusion of wings, limbs and other organs needed on land to overcome the burden of gravity is unnecessary for creatures whose element is the buoyant sea.

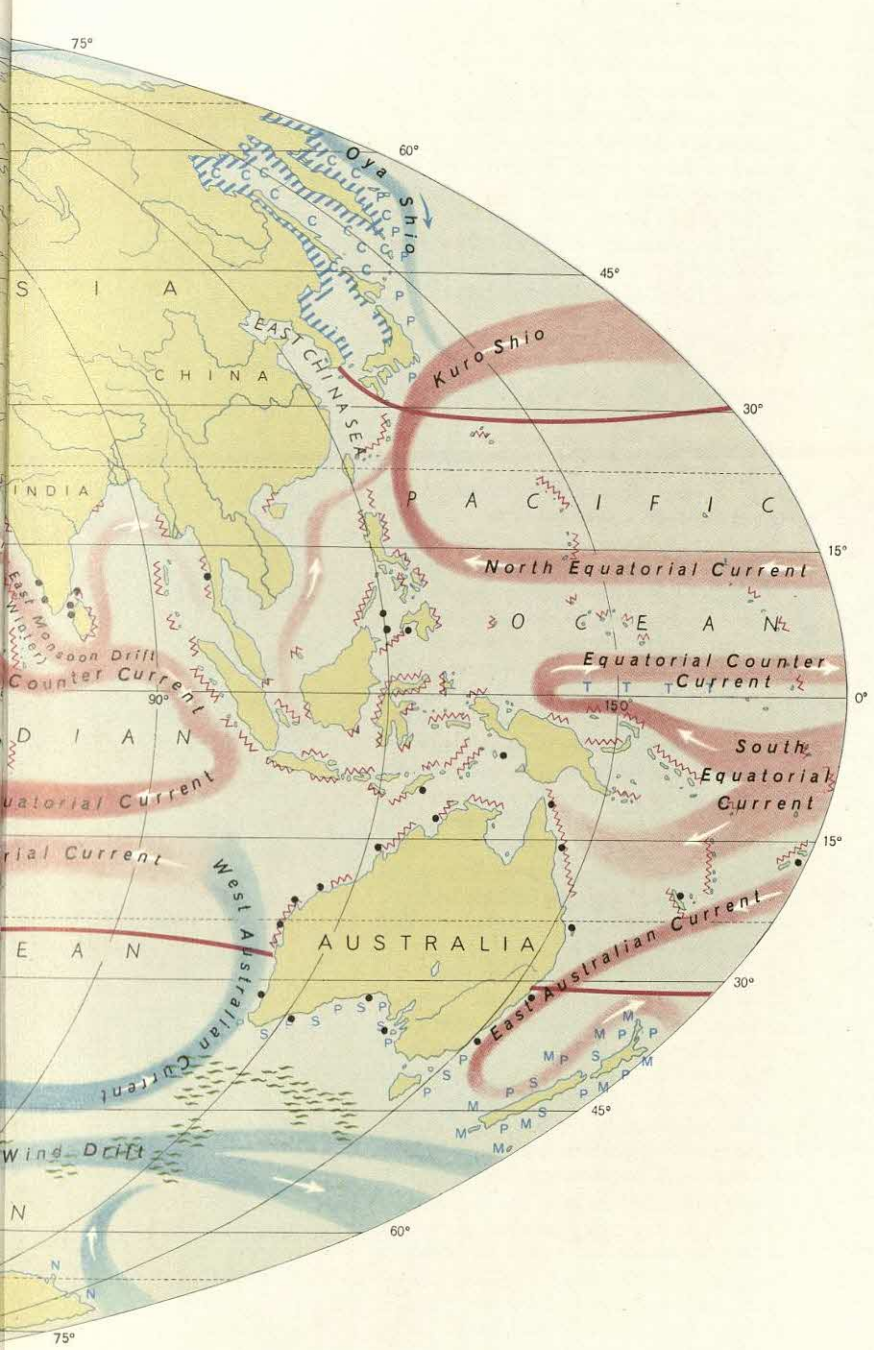
As few sea creatures have mechanisms, such as sweat glands, for adapting themselves to changing conditions, they are sensitive to the slightest variation in their surroundings. With some exceptions such as sharks and whales, which can range freely up and down the oceans, each species is confined to its own particular zone, where pressure, light, temperature and the quantity of salt in the water are more or less constant.

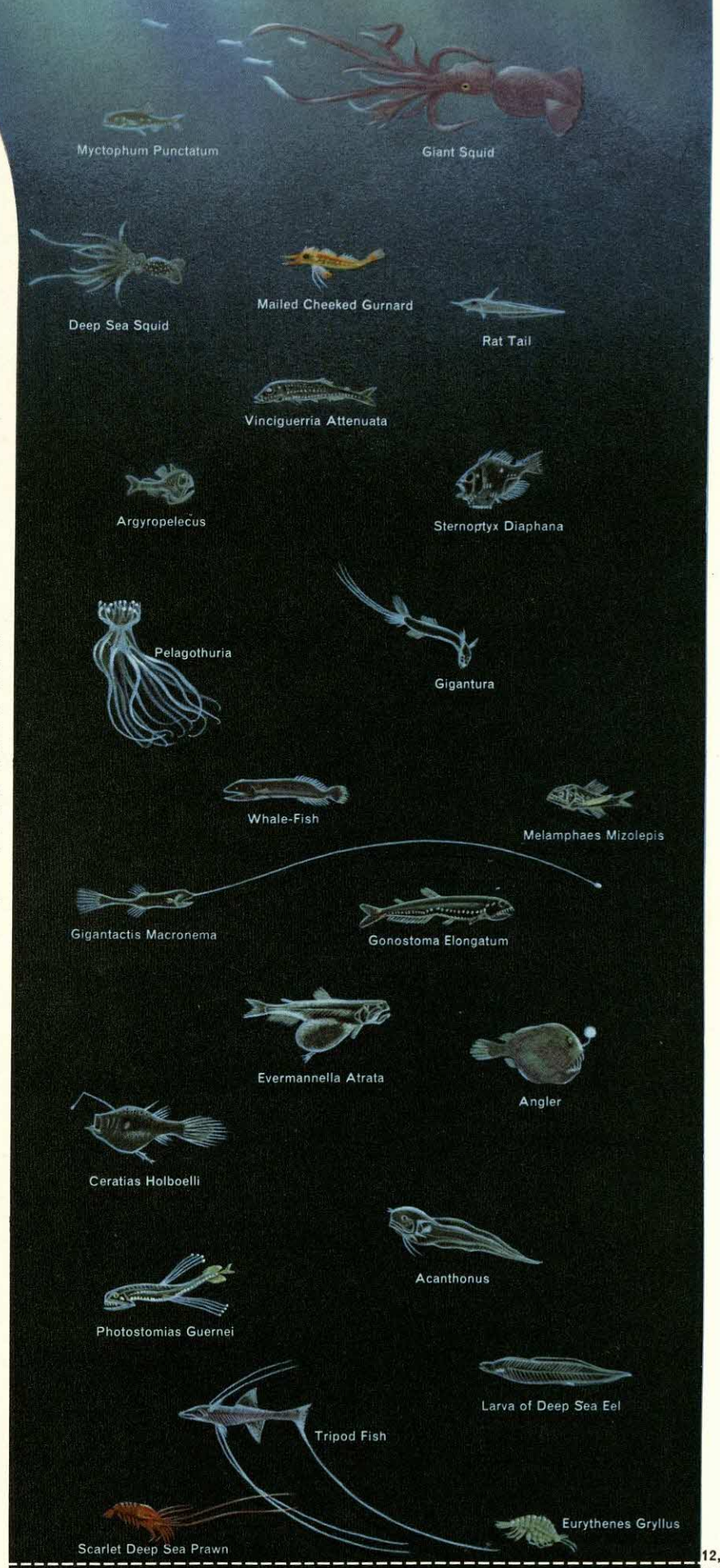
In this stable environment some creatures have remained unchanged throughout their entire history. The now-famous Coelacanth, one of a group of fish thought to have been extinct for 60 million years, has remained essentially like its relatives as they appear in fossils. It is considered the closest living relation of the long-extinct fish that is accepted as the ancestor of all land animals.



SHELF

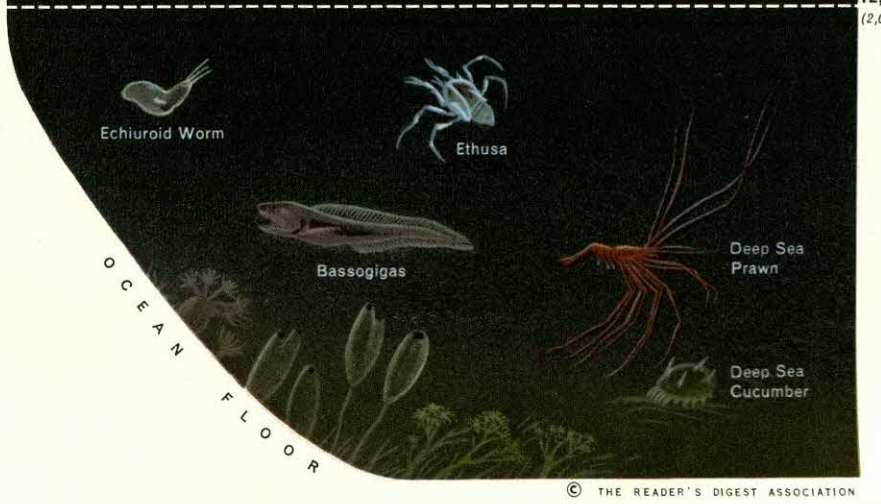
400 feet
(about 66 fathoms)





CONTINENTAL SLOPE

12,000 feet
(2,000 fathoms)



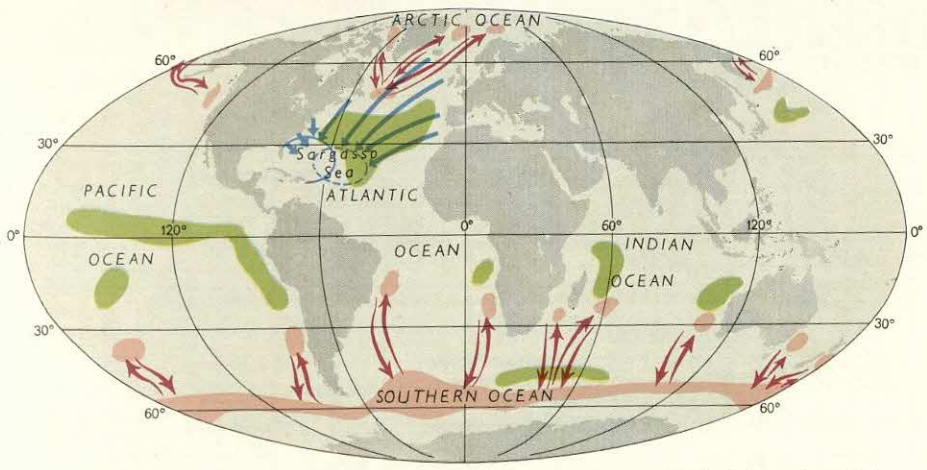
OCEAN FLOOR

C = Cod S = Sprats H = Herring P = Pilchard (or Sardine) M = Hake N = Antarctic Fish T = Areas where Tunny Fish are plentiful

This line shows the northern and southern limits of coral reefs and atolls, which are the habitat, but not exclusively, of a number of fish such as moray-eels, squirrel-fish, trumpet-fish, cornet-fish, silversides, barracuda, king-fish, amber-jacks, cardinal fish, groupers, snappers, butterfly-fish, surgeon-fish, damsel-fish, wrasses, parrot-fish, gobies, etc.

This line shows the northern and southern limits of flying fish in the Atlantic Ocean. (They are also found in the Mediterranean.) The limits in the Indian Ocean and Pacific Ocean have yet to be determined, but the main areas lie between latitudes 30°N and 30°S. Other oceanic fish found together with flying fish are dolphins, various kinds of tuna, certain blue sharks and mackerel sharks.

WHALE AND EEL MIGRATIONS



Haunts and migration routes of Whalebone Whale

Special haunts of Sperm Whale

Spawning areas of the European and American Fresh-water Eel

The migration of whales is largely connected with feeding and reproduction. Whalebone whales feed almost exclusively on plankton, but the sperm whale has teeth and eats mainly squids found at depths of 1,500 feet or more.

In autumn fresh-water eels leave the coasts and rivers of western Europe and the Mediterranean to travel across the Atlantic to the Sargasso Sea where, after breeding, they die. The larvae are swept eastwards across the Atlantic by ocean currents, the journey lasting two and a half years, during which time they change into elvers. These then enter the rivers where they remain for several years, eventually returning to the Sargasso Sea, when the whole process is repeated. Eastern North American fresh-water eels also travel to the same area, but for them the distance is shorter and the larvae become elvers in one year.

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BIRD MIGRATION

A MYSTERY OF ENDURANCE AND NAVIGATION

And let fowl fly above the earth in the open firmament of heaven — GENESIS 1

Golden Plover

Swallow

Bobolink

White Stork

Ruff

Arctic Tern

Greenland Wheatear

Sooty Shearwater

Arctic Warbler
Siberian Willow Warbler

Wandering Albatross

THERE are well over 8,000 known and named species of birds, and a great many of them are migratory. Despite all dangers of storms, droughts, and of man himself, millions of birds undertake twice-yearly journeys that span whole continents and oceans.

The great northern land masses of the Northern Hemisphere support a huge breeding population, which migrates south for the winter. The land areas south of the Equator are too small to support a comparable breeding population of land birds. Instead, there are great ocean masses which support vast sea bird populations, millions of which move north during the southern winter. The northern summer day is longer than the 12-hour day at the Equator, and therefore gives more time for hunting—a critical factor for birds whose young may eat many times their own weight in food during the time they are in the nest. When breeding is over and the young ones reared, glandular changes within the body, probably caused by the lengthening nights of approaching winter, stimulate the migratory instinct, but the *actual* moment of departure is influenced by the local weather conditions and the physical readiness of the birds themselves.

Before migrating, birds lay in stores of energy in the form of internal fat deposits. Some species may even double their body weight and in this way are enabled to stay on the wing for at least 90 hours and perhaps as long as 120. Ornithologists believe that some of the Greenland Wheatears, only a little larger than the House Sparrow, fly direct from Greenland to the north coast of Spain, an over-water flight of nearly 2,000 miles, and that the Blackpoll Warbler, smaller than the House Sparrow, may fly directly from New England to Venezuela. After such a journey a bird may have halved its starting weight and so must rest while it accumulates fresh stores of fat.

MORE than any species, the Swallow is symbolic of this incredible and complicated migratory instinct. It breeds in Europe, Asia, North Africa and, as the Barn Swallow, in North America, and winters in the Southern Hemisphere. Flying by day, and feeding on the wing, European swallows show a preference for short sea crossings, such as the Strait of Gibraltar, passing south round the edge of the Sahara. In the spring the return journey is more direct: many swallows fly over the Sahara instead of round it, and cross the Mediterranean on a broad front.

Of all migrants, none travels farther than the Arctic Tern. After a short breeding season in the higher latitudes of the Northern Hemisphere (where long hours of summer daylight give ample time for feeding on the abundant supply of fish), some North American Arctic Terns cross the North Atlantic to join up with Arctic Terns from North-West Europe etc.; others pass down the western Atlantic, and Arctic Terns wearing rings fixed in Russia and Wales have been recovered in Australia. No other bird enjoys as much daylight during the year, but finding it involves an annual journey of about 22,000 miles.

Migratory birds often navigate with phenominal accuracy. The general direction of movements of some of them are indicated by the arrows on the map. The Pacific Golden Plover, which breeds in the extreme west of Alaska and in eastern Siberia, crosses the Pacific to make pinpoint arrivals on such small islands as Hawaii and Tonga. In one experiment, a Manx Shearwater, captured and ringed in Wales, was flown to Boston, U.S.A., and released. Twelve and a half days later it arrived home, having crossed 3,000 miles of ocean.

Shearwaters are great travellers, and many from Britain winter off the coasts of Brazil and Argentina; one has even reached South Australia. One incredible young bird completed the 5,000-mile journey to Brazil in less than three weeks of leaving the nest. The Great Shearwater is among the fewer species that migrates northwards. It breeds on the lonely island of Tristan da Cunha in the South Atlantic, and spends the summer in the North Atlantic, penetrating as far as the Davis Strait off Greenland. Its cousin, the Sooty Shearwater (known to sailors as the Mutton Bird), also migrates northwards from its breeding areas in the Falkland Islands and small islands off Cape Horn, Tasmania and New Zealand. One bird, ringed in New Zealand, was recovered in the Sea of Okhotsk, to the north of Japan.

WHILE winter quarters are generally nearer the Equator than summer ones, they are not always directly south. East Siberian Willow Warblers (song-birds so small that three of them together weigh only one ounce) undertake the immense journey to East Africa. The Arctic Warbler spends the summer as far west as Northern Norway and winters in south-east Asia and Indonesia—thus crossing at right angles the path of the East Siberian Willow Warbler. One species of Shrike nests in central Asia and winters in equatorial Africa—1,200 miles south, but 2,500 miles west.

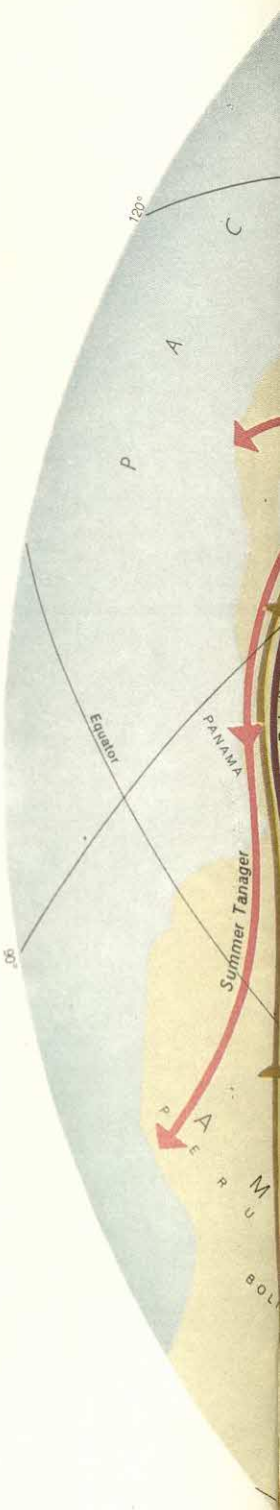
The instinct to migrate brings together in huge flocks birds that are normally solitary. Even the most hospitable countryside cannot always provide sustenance for more than a few pairs of nesting birds per acre; and yet, with the onset of winter, birds collect in clouds that darken the northern skies. The Bobolink, or Rice Bird, is a solitary inhabitant of North American meadowlands. On the autumn migration flight, Bobolinks gather in immense flocks to invade the rice fields of the Carolinas and devastate the crops.

Size has little to do with the migration instinct. Tiny Humming Birds migrate 500 miles across the Gulf of Mexico. On the other hand, the Wandering Albatross, with a wing span of twelve feet, breeds on islands such as Tristan da Cunha, South Georgia, and Kerguelen, and spends the rest of the year soaring across the southern oceans, far from land. It is thought that these birds may circumnavigate the world several times between their breeding seasons.

The phenomenon of migration was known as long ago as Biblical times. The Book of Jeremiah notes the flight of White Storks, which leave the North European Plain in spectacular numbers and cross Israel and the Nile Valley. But, despite this long familiarity with migration, there is still much to be learned about it. How high do migrating birds fly? How do they navigate?

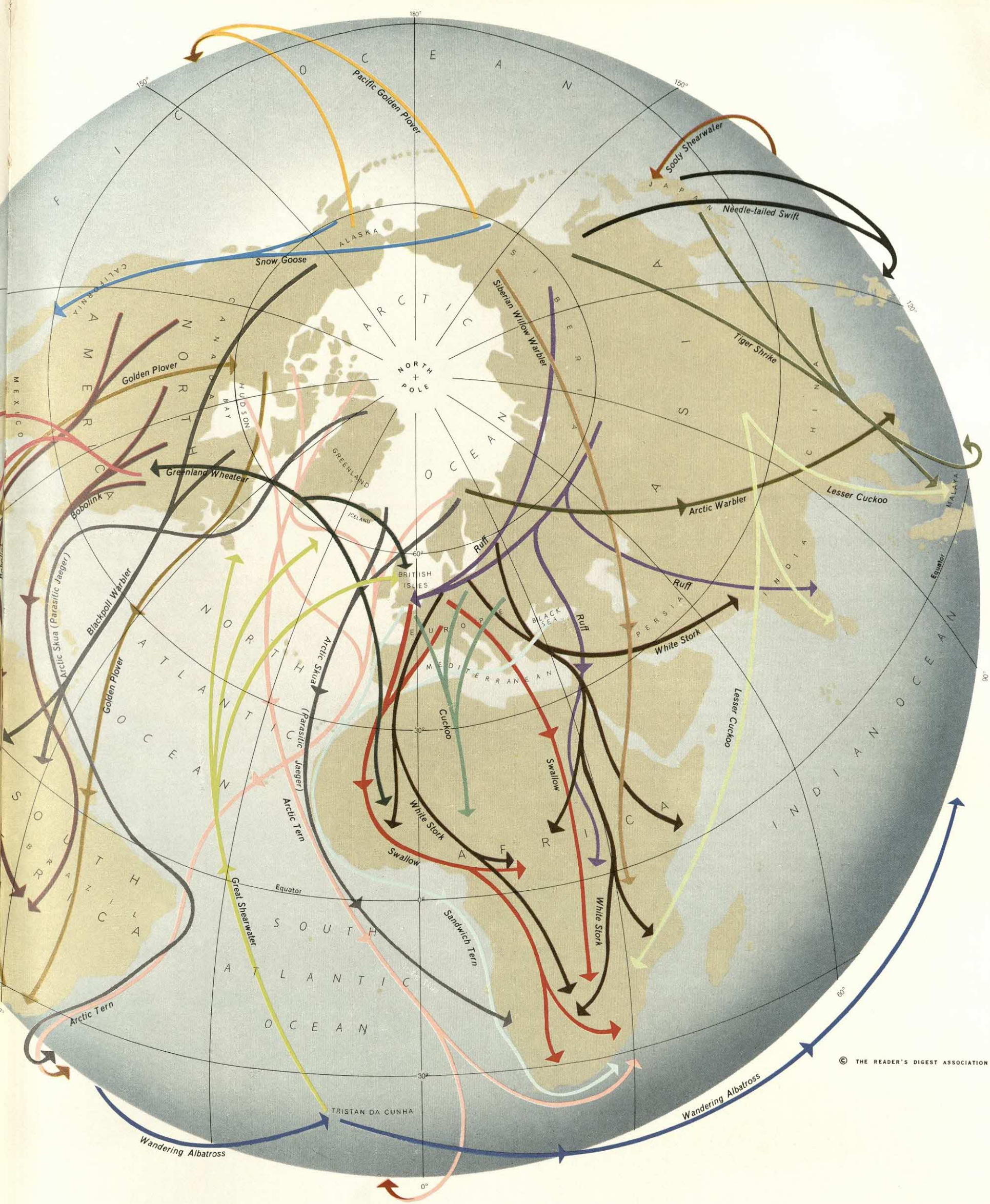
Radar has largely answered the altitude question: most migrations take place below 5,000 feet, but there are records of really small birds at 10,000, 15,000 and 20,000 feet.

Experiments with caged migrants suggest that they may use the sun and the stars as aids to navigation. Birds placed in a planetarium, beneath a replica of the night sky, turned at once in the direction of the southern winter quarters to which they were due to fly. Birds, it seems, are equipped with instincts that may surpass man's most elaborate instruments.



SPECIES	LENGTH IN INCHES	BREEDING AREA	WINTERING AREA	DISTANCE APART (APPROX.)
Arctic Skua (Parasitic Jaeger)	16½	Arctic America, Greenland, Arctic Europe, north Siberia	West Africa, Persian Gulf, Arabian Gulf, Australia, New Zealand, South America	4,000-8,000 miles
Arctic Tern	14-15	North Canada, Greenland, Iceland, north Europe	South and west African coasts, Antarctica	11,000 miles
Arctic Warbler	4¾	North and north-east Europe, north Siberia	South-east Asia	4,000-7,000 miles
Blackpoll Warbler	5–5½	Alaska, east to Northern Labrador and New England	Colombia, Venezuela to French Guiana	2,500–5,000 miles
Black and white Cuckoo	13	India	East and south-east Africa	3,500-4,500 miles
Blue-cheeked Bee-eater	11	North India, west China	East Africa	4,000-5,500 miles

SPECIES	LENGTH IN INCHES	BREEDING AREA	WINTERING AREA	DISTANCE APART (APPROX.)
Bobolink	6½-8	South-east Canada, north-east and mid-west U.S.A.	Bolivia, Paraguay, Brazil	5,000 miles
Buff-breasted Sandpiper	7½	Arctic Canada	Argentina and Uruguay	6,000-8,000 miles
East Siberian Willow Warbler	4½	North-east Siberia	East Africa	8,000 miles
Great Shearwater	17-18	Tristan da Cunha	North Atlantic	6,000-8,000 miles
Long-tailed Cuckoo	16½	New Zealand	Samoa and Fiji	2,000 miles
Manx Shearwater	14	British Isles, Brittany, Atlantic Islands, Mediterranean	North and South Atlantic	500-5,000 miles
Needle-tailed Swift	7½	East Siberia, Japan	Australia, Tasmania	6,000-8,000 miles



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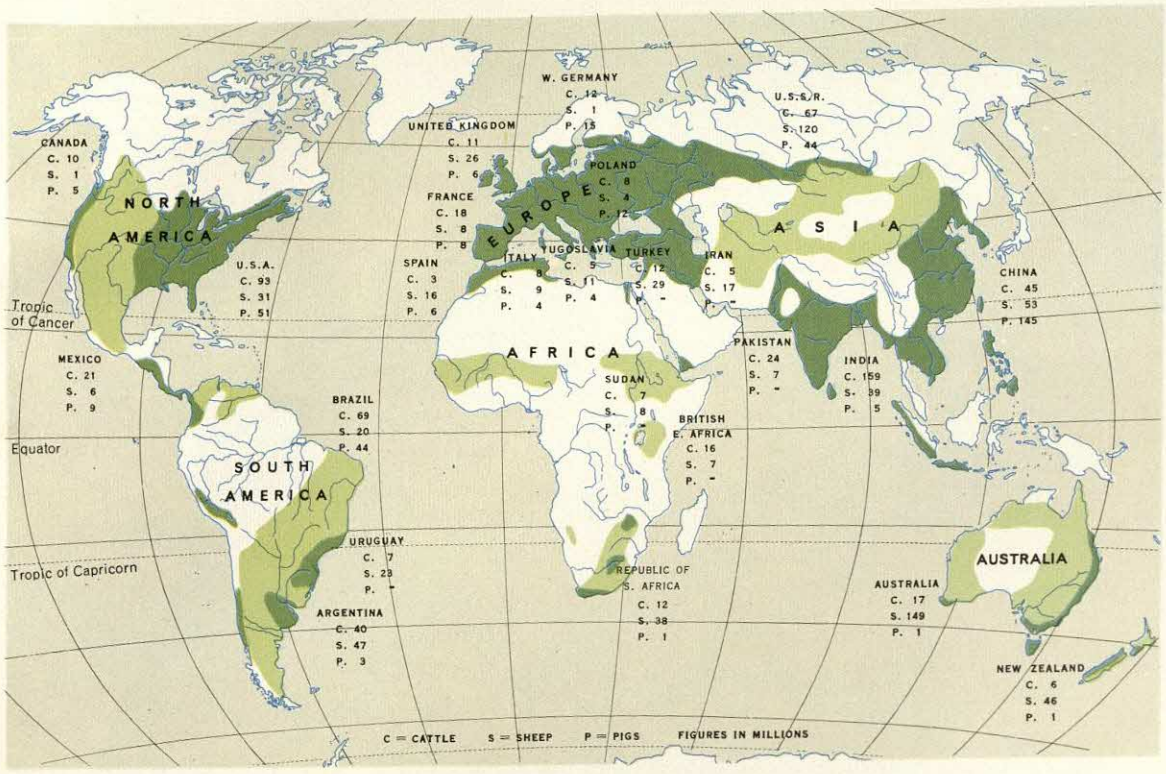
SPECIES	LENGTH IN INCHES	BREEDING AREA	WINTERING AREA	DISTANCE APART (APPROX.)
Pacific Golden Plover	10-11	West Alaska, north-east Siberia	Hawaii, Tonga, Indonesia, Australia	6,000-8,000 miles
Pintail (New World)	22	North-west Alaska east to Hudson Bay, south to Iowa, N. Colorado, S. California	Middle and southern United States to West Indies and Panama, west to Hawaii	1,000-4,000 miles
Ruff	8½-12	North and west Europe, Siberia	West Europe, South Africa, Iraq, Persia, India, Ceylon	3,000-6,000 miles
Sandwich Tern	16	Shores of North Sea and west Mediterranean, Black Sea	West and South Africa	1,000-5,000 miles
Scarlet Grosbeak	5¾	North-east Europe	India, south-east Asia	3,000-6,000 miles
Shining Cuckoo	7¼	New Zealand	Solomon Islands	1,800 miles

SPECIES	LENGTH IN INCHES	BREEDING AREA	WINTERING AREA	DISTANCE APART (APPROX.)
Snow Goose	25-30	East Siberia, Alaska, north-west Canada	West U.S.A. especially California	2,000-3,000 miles
Sooty Shearwater	16	New Zealand, Falkland Is., Cape Horn	North Atlantic, north Pacific	6,000-9,000 miles
Summer Tanager	7-7½	North America, north to as far as the Great Lakes	Mexico southwards to Peru	1,000-4,000 miles
Swallow (European)	7-7½	Europe, north to about 68°	Central and South Africa	5,000-7,000 miles
Tiger Shrike	7	China, east Siberia, Japan	Malaya, Sumatra, Celebes, Borneo	3,000-4,000 miles
Wandering Albatross	44-53	Tristan da Cunha, Gough Island	Southern oceans, chiefly south of 40°S.	unknown
White Stork	40	Mid-Europe	Tropical and South Africa	4,000-7,000 miles



DISTRIBUTION OF LIVESTOCK

In all the areas of the world colonized by man, the domestication of certain mammals has invariably led to the extinction or near-extinction of the wilder species. The extent of man's advance has depended on the availability of pasture for animals which, through selective breeding, he adapted for his own purposes. Sheep, cattle, pigs, goats and horses (providing food, milk, clothing and transport) are of little interest zoologically but are vastly important economically. In areas with seasonal or scanty rainfall and sparse pasturage, domestic animals may be herded or ranched—a few to the square mile—over wide distances, and may be the primary factor in the regions' economy. In more favoured zones "mixed" farming is usual: animal husbandry and crop cultivation are practised in close conjunction with each other on the same farm unit. In either case wild animals are robbed of the territories best able to support them.

THE SPREAD OF MAMMALS

Let the Earth bring forth the living creature after its kind—GENESIS 1

From the time terrestrial animal life began, some 350 million years ago, the face of the Earth has undergone immense changes, and even in the relatively recent period since mammals evolved from reptiles, more reshaping of land has occurred. It was once possible for species from Southern Asia to spread by age-long migration through Europe and, by means of a land-bridge where the Bering Strait is now, to the Americas. But barriers to migrations, and new avenues for them, have been appearing and disappearing since the time creatures first had need to travel in search of food and warmth.

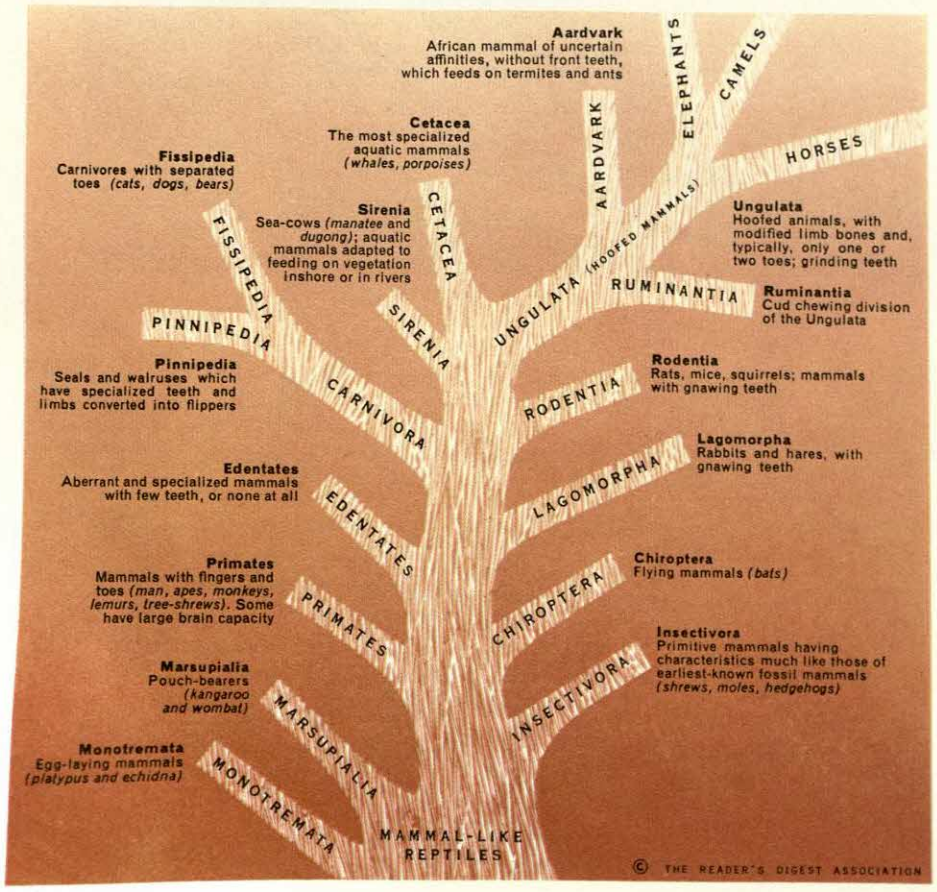
For the most important animals of the present day—the warm-blooded mammals, of which man himself is one—the Earth has set strict limits. The geological changes that decided the patterns of movement also brought about changes in environment, and these changes, allied to other natural causes, speeded up the evolution of mammals, especially on the African, Euro-Asian and North American continents. One result is that mammals can now be grouped in five main regions, each of which is bounded by natural barriers—mountains, deserts and seas.

The formation of the Sahara Desert created one of the barriers to migration, so that the mammals to the south of the desert, living in tropical or semi-tropical conditions, have evolved in quite a different way from the mammals to the north of it. In Australia, the most primitive species of mammals in the world have survived, for, with the disappearance of any land connection with Asia some 135 million years ago, they became isolated, and more active and dominating mammals were prevented from reaching the area. The Himalayas, formed about 25 million years ago, stopped any large-scale interchange of species between northern Asia and the Oriental Region; and the Bering Strait, during the recent Pleistocene Period, effectively cut off the Americas from Europe and Asia.

Some mammals learned to hunt in the air, like bats, others to live in trees, like monkeys, some to burrow under the ground, like moles, and still others, such as whales, went back to the sea from which life first came. And all of them developed characteristics according to their surroundings; the whales, for instance, developed layers of blubber under the skin to insulate them from the cold of the oceans, and some of the whales, because of the buoyancy of the water, were able to grow to a huge bulk and so become the largest of all mammals.

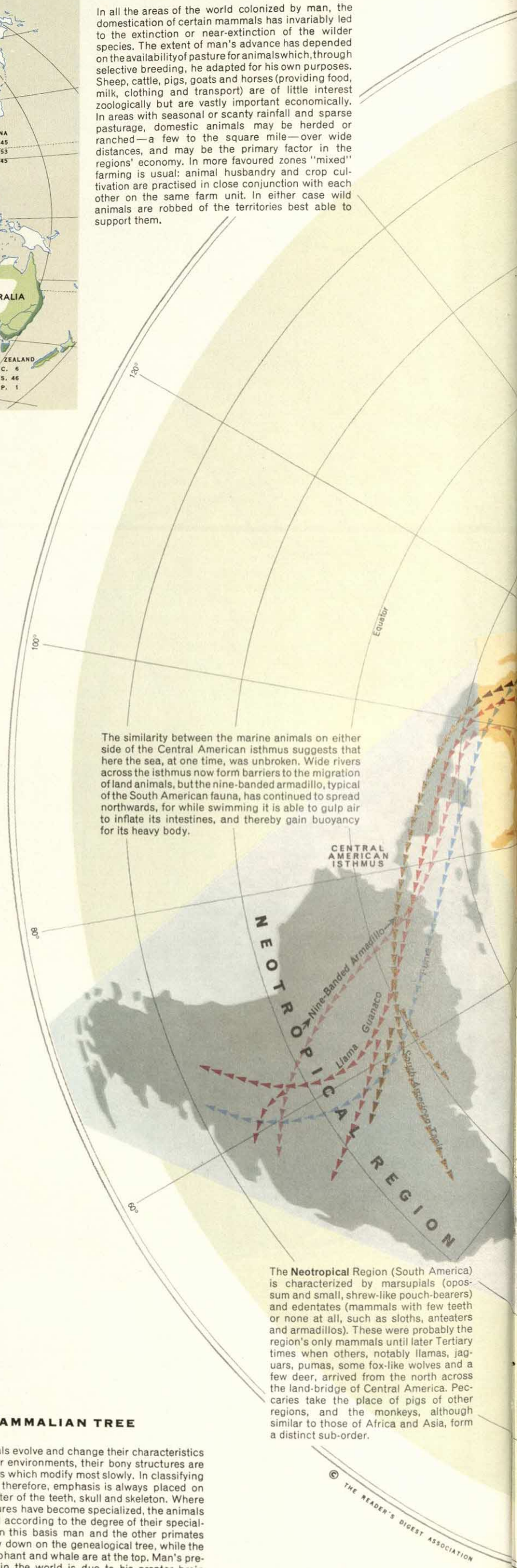
A natural spread took some mammals to the cold north, and these became more hairy, like the polar bear and the musk-ox. On the other hand, in the tropics, the elephant and the hippopotamus became almost hairless.

There are nearly 5,000 species of mammals, in bewildering varieties of shape and form. Among them are the primates, headed by man, whose unique specialization is that he can fashion his environment to suit his own needs.



THE MAMMALIAN TREE

As mammals evolve and change their characteristics to suit their environments, their bony structures are the features which modify most slowly. In classifying mammals, therefore, emphasis is always placed on the character of the teeth, skull and skeleton. Where these features have become specialized, the animals are graded according to the degree of their specializations. On this basis man and the other primates appear low down on the genealogical tree, while the camel, elephant and whale are at the top. Man's pre-eminence in the world is due to his greater brain capacity, his grasping hand and his ability to use speech; but his limbs with their five digits and his face are still anatomically primitive.



The similarity between the marine animals on either side of the Central American isthmus suggests that here the sea, at one time, was unbroken. Wide rivers across the isthmus now form barriers to the migration of land animals, but the nine-banded armadillo, typical of the South American fauna, has continued to spread northwards, for while swimming it is able to gulp air to inflate its intestines, and thereby gain buoyancy for its heavy body.

The **Neotropical** Region (South America) is characterized by marsupials (opossum and small, shrew-like pouch-bearers) and edentates (mammals with few teeth or none at all, such as sloths, anteaters and armadillos). These were probably the region's only mammals until later Tertiary times when others, notably llamas, jaguars, pumas, some fox-like wolves and a few deer, arrived from the north across the land-bridge of Central America. Peccaries take the place of pigs of other regions, and the monkeys, although similar to those of Africa and Asia, form a distinct sub-order.

Apart from a few native rats and bats, the **Australasian** Region has only primitive mammals: egg-laying monotremes (platypus and echidna) and marsupials (kangaroos etc.). Although so unlike the placental mammals that succeeded them, marsupials have evolved types that use their environment in the same way as placentals do in other regions. Grazing kangaroos take the place of the hoofed herbivores of other regions; there is a marsupial mole, and a wombat like a badger. The earliest known fossil remains of monotremes were found in Australia. In contrast, marsupial fossils—of a 12-foot kangaroo, for instance—have been discovered in Europe and in North and South America.

Animals of the **Nearctic** Region (North America) have so much in common with those on the vast land mass on the opposite side of the Bering Strait—the **Palaearctic** Region—that it seems likely that, up to recent geological times, the two areas were joined. The American buffalo is very like the European bison; the moose so closely resembles the elk, and the caribou the reindeer, as for them to be virtually identical. Among medium-sized mammals, the foxes, otters and beavers of the **Nearctic** and **Palaearctic** Regions are so alike that some experts regard each as races of a single species. Smaller animals, particularly rats and mice, because of their rapid reproduction, have evolved with marked differences.

In the **Palaearctic** Region (Europe, North Africa and most of Asia), many species of mammals range almost unchanged from the British Isles to Japan. The typical carnivore of the region is the wolf, and the cat family is represented by small and medium-sized species, such as the wild cat and the lynx. Deer, too, are common, and bears are more characteristic of this and the **Nearctic** Region than of any other parts of the world.

Wallace's Line, drawn between Borneo and Celebes and between Bali and Lombok, marks a deep channel in the ocean bed. Mammals to the west of it are mainly Oriental; those to the east are mainly Australasian. The division is not absolute because the former land-bridge between Asia and Australasia probably rose and receded more than once. Also, tamed animals transported between the regions have, through interbreeding, blurred the formerly clear-cut differences.

The **Oriental** Region, bounded on the north mainly by the Himalayas, has many mammals that also appear in Africa: lions, leopards, cheetahs, hyenas, jackals, monkeys, elephants, rhinoceroses and a man-like ape, the orang-utan. The region's several species of deer and its bears and tigers all come from the north, indicating that migration took place before the massive mountain range was formed.

Madagascar is the only home of many species of lemur. The island's other mammals are generally related to those of Africa.

The **Ethiopian** Region (Africa) is now the only habitat of hippopotami—which were once found all over Europe and Asia—and of giraffes, which at one time lived also in Asia. The region is characterized particularly by the large numbers of antelopes and zebras and by the absence of deer. There are two man-like apes, the gorilla and chimpanzee; and primitive animals there include the aard-vark and several species of pangolin. It is also the home of the buffalo. Other hoofed animals are elephants, rhinoceroses and wild pigs. The region's carnivores include lions, leopards, cheetahs, hyenas, jackals, wild dogs and mongooses.

THE EVOLUTION OF MAN

When men began to multiply on the face of the earth—GENESIS 6

We may learn something about early man in two different ways: by comparing the biology of man with that of other animals and so determining the degree of their relationship (taxonomy); and by looking at fossils and so determining their age and development (palaeontology).

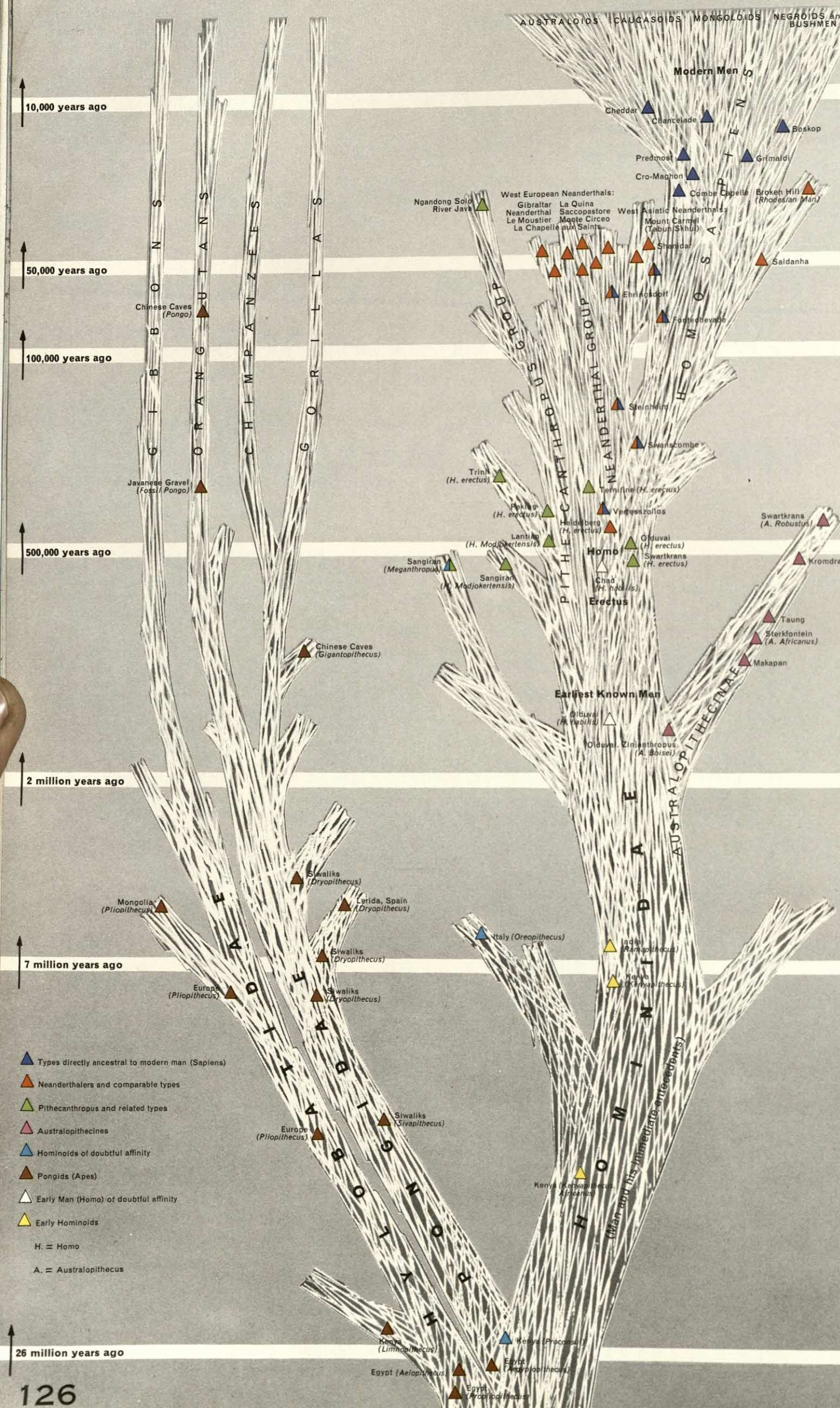
By comparing man with other living creatures we know that he is a primate, having a large brain, a grasping hand with nails instead of claws, and eyesight which has been developed at the expense of his sense of smell. Primates include tree-shrews, lemurs, monkeys and apes. Within this group man shows the greatest resemblance to apes, not only in his posture and means of locomotion, but in the development and co-ordination of his brain and hands, and in the biochemistry of his blood. Man has, however, been distinguished from other primates, both living and fossil, by his ability to make and use tools.

The comparison of living forms enables us to estimate the affinities of fossils, even from their fragmentary remains; and by studying the tools and animal remains found with fossil men, we can discover something of their way of life and the environment in which they lived.

In the study of the modern races of man reference is made to inherited differences in anatomy, morphology and biochemistry. A race can be defined by using as many sorting criteria as can be seen or measured, such as colouring, hair and eye form, and blood groups; but other criteria, such as stature and weight, which are closely related to nutrition, are of little help. Blood groups appear to be relatively stable criteria, and show marked differences in frequency in different populations. For example, though blood Group B is common among specialized Mongoloids, it is rare among South American Indians—an unspecialized Mongoloid group.

But any individual racial group is continually in a process of change through natural selection and intermarriage with neighbouring groups or migrants, so that a "pure" race does not exist.

The evolution of man and the present distribution of the races are shown on the accompanying maps and charts.



HOLOCENE (RECENT)

Neolithic cultures arose about 7,000 years ago. Beginning of agriculture, domestication of animals, growth of urban life

UPPER PLEISTOCENE

Beginning of differentiation of modern races of man

Cro-Magnon man—homo sapiens in Europe, replacing Neanderthal man. Tall, fine-boned, large brained, bringing new culture (Aurignacian) probably from Asia

Broken Hill (Rhodesian man)—probably related to Saldanha

Solo man—found in Java. Resembles Neanderthal man

Neanderthal man—a cave-dweller during last glaciation. Receding forehead, stocky physique. Contemporary with homo sapiens, brain capacity equivalent to modern man. Widespread in Europe-Asia-Africa, eventually disappeared. Two types, "primitive" and "progressive" (nearer to modern man)

MIDDLE PLEISTOCENE

Mount Carmel—Neanderthal man, of both types

Saldanha—early primitive man in South Africa, comparable to Pithecanthropus

Fontéchevade—may be associated with Swanscombe as ancestor of modern man

Steinheim man—a "progressive" Neanderthaler

Swanscombe man—may be directly ancestral to modern man and Neanderthaler

Pithecanthropus—Peking man, from China, related to Java man, had a bigger brain, other more advanced features. Tools made and used, also fire

Heidelberg man—only his jaw found. Ancestor of Neanderthal man

Vertesszöllös man—occipital bone found in Hungary

LOWER PLEISTOCENE

Pithecanthropus—Java man (Trinil and Sangiran) most primitive true "homo". Low forehead, small brain, face projecting and chinless. A toolmaker, and user

Olduvai—species of Australopithecus in East Africa. Toolmaker

Australopithecinae in South Africa—Hominoids of small stature and brain, with limbs, teeth, posture showing many human features

Homo habilis—found at Olduvai, more advanced specimens approach Pithecanthropus

PLIOCENE

Pliopithecus—ancestor of the gibbon, living in Asia

Oreopithecus (Italy)—may be ancestor of ape. Most of skeleton found

Spread of ancestors of present-day anthropoid apes through Africa-Europe-Asia during late Miocene and early Pliocene

MIOCENE

Dryopithecus (Siwaliks, India)—ground-dwelling apes. Patterns of crowns of teeth may be basic type of all higher primates

Pliopithecus—ancestor of the gibbon living in Europe

Sivapithecus—ape of Dryopithecus family, found in Siwalik Hills, India

Proconsul—an early ape, three species. Probably ancestral to chimpanzee and gorilla. Partly ground-dwelling. Many fossil finds

Limnopithecus—an early gibbon, related to Pliopithecus

Sivapithecus—ape of Dryopithecus family in East Africa

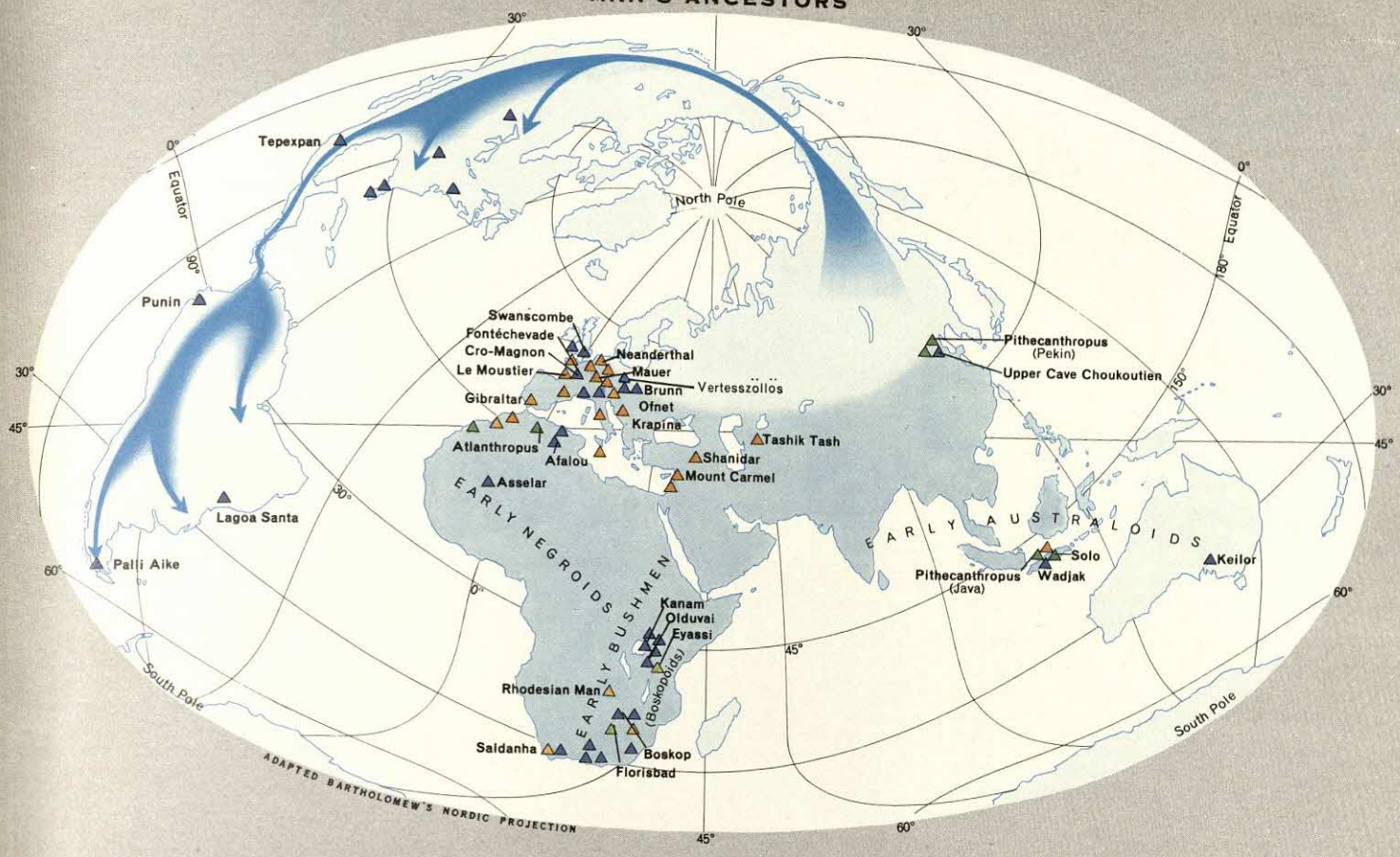
Early tree-living primates in East Africa—lemurs, monkeys, apes

OLIGOCENE

Differentiation of apes from ancestors of man begins

Propliopithecus (Egypt)—identified from lower jaw as possible ancestor of gibbon

MAN'S ANCESTORS



There are three known groups of fossil men. The oldest of these, the Pithecanthropi, have been found in Java and North China. In Africa there have been several discoveries of comparable type and antiquity. The second group, the Neanderthalers, were widespread during the late Ice Age, about 30,000 years ago. Contemporary with them were the known ancestors of modern man; such as Swanscombe. Differentiation of the present races had begun by the end of Palaeolithic times. Man did not reach America until about 15,000 years ago; then Mongoloid peoples crossed the Bering Strait in a series of migrations, the most recent of which was that of the Eskimo.

Areas occupied by man 100,000 years ago (early Palaeolithic times)

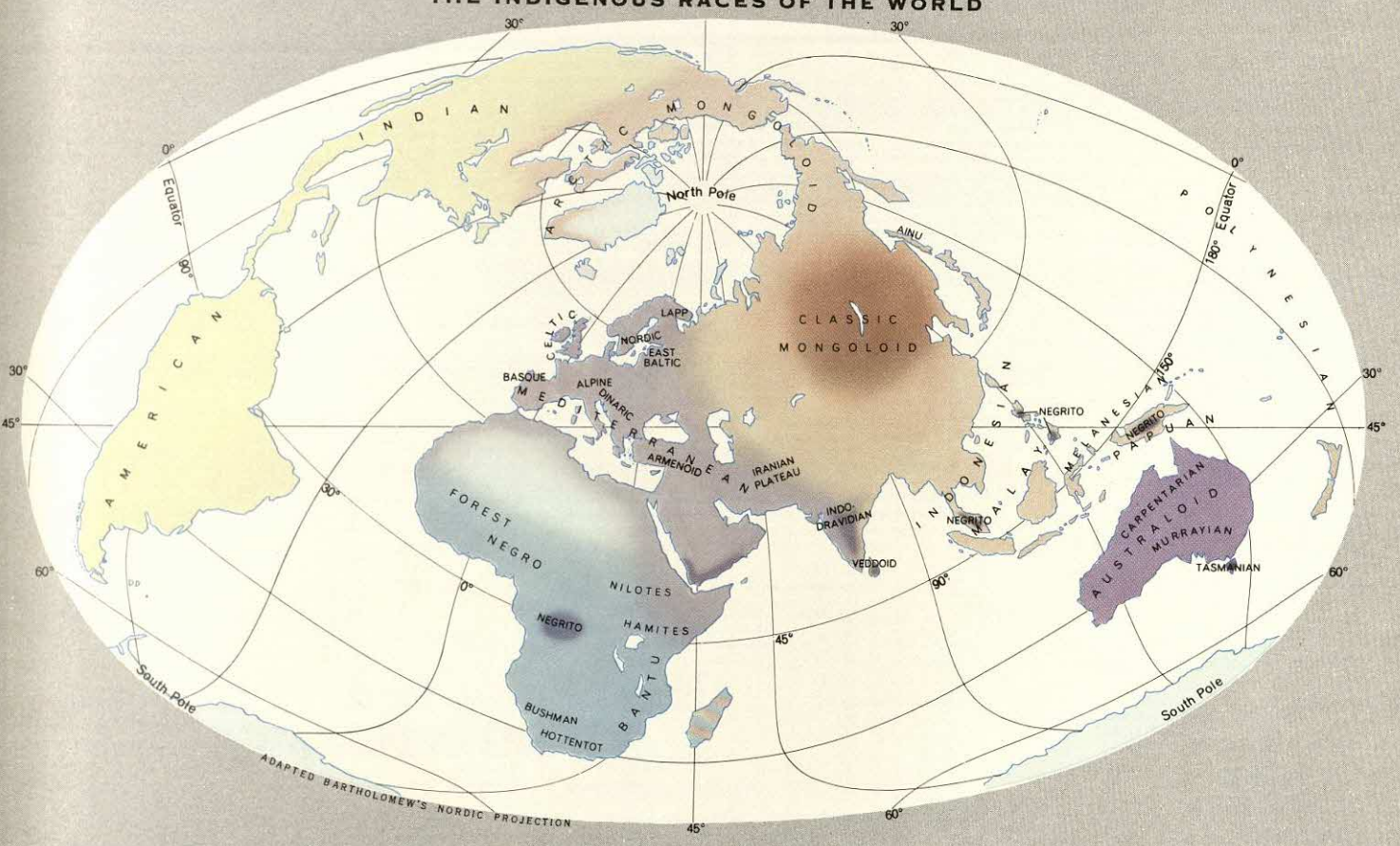
Types directly ancestral to modern man

Neanderthal and related types: Primitive European cave-dwellers. Late Ice Age (Upper Pleistocene period)

Pithecanthropus and related types: Java and Pekin Man 400,000 years ago

Mongoloid migrations into New World (probably 15,000 years ago)

THE INDIGENOUS RACES OF THE WORLD



A race is a group of people resembling each other in certain inherited characteristics which distinguish them from other groups. The basic groups of mankind are the Caucasoid, Mongoloid and Negroid. The Australoid has developed in isolation from an archaic white form. The American Indian is derived from an unspecialized Mongoloid. Some peoples such as the Melanesians result from the mixture of the basic stocks. Others, for example, the Basques, the Bushmen and the Vedda, are probably very ancient populations which have largely escaped this process of hybridization by geographical isolation.

Caucasoid. Colour of eyes, hair, skin: light. Hair texture: fine - medium, wavy or straight, beard and body hair usually abundant. Nose: high and narrow. Lips: thin. Blood group: more A than B

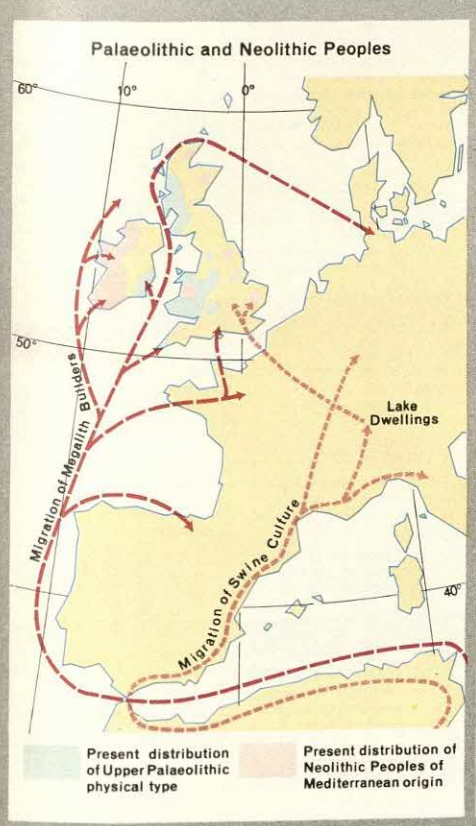
Archaic White. Group separated from the main race before complete specialization, and developed in geographical isolation

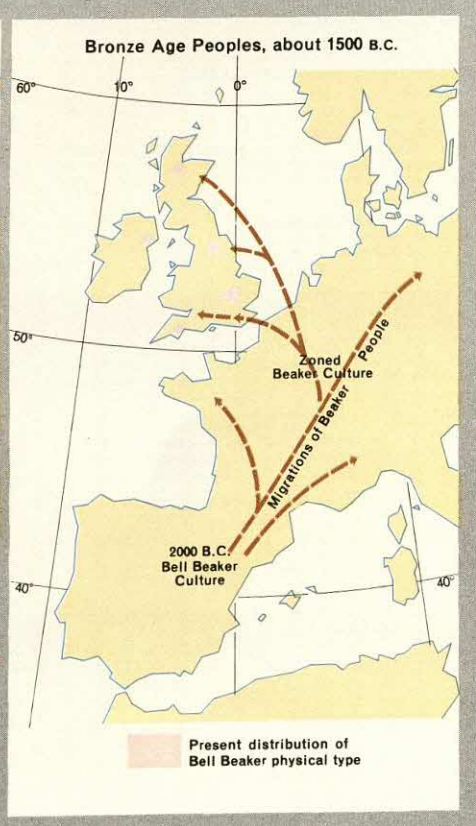
Mongoloid. Colour of eyes: brown. Hair: black. Skin: yellow. Eye form: slanting not much recessed, Mongoloid eye-fold. Hair texture: coarse, very little beard and body hair. Nose: moderately broad, low bridge. Blood group: high in B

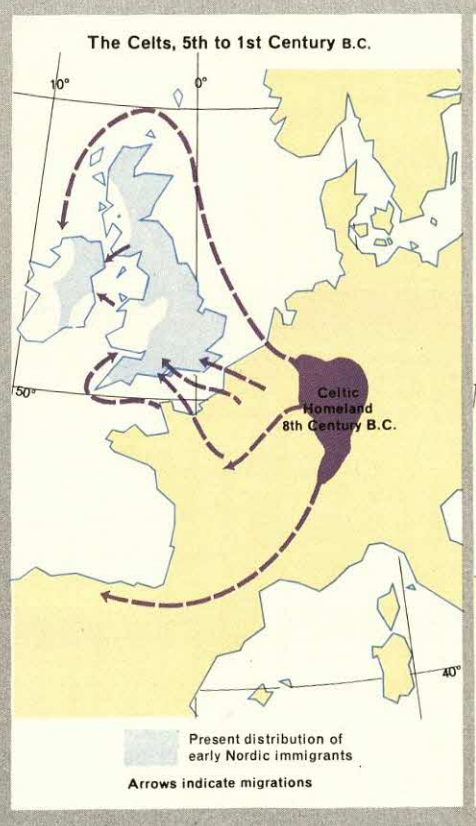
American Indian. Group separated from the main race before complete specialization, and developed in geographical isolation

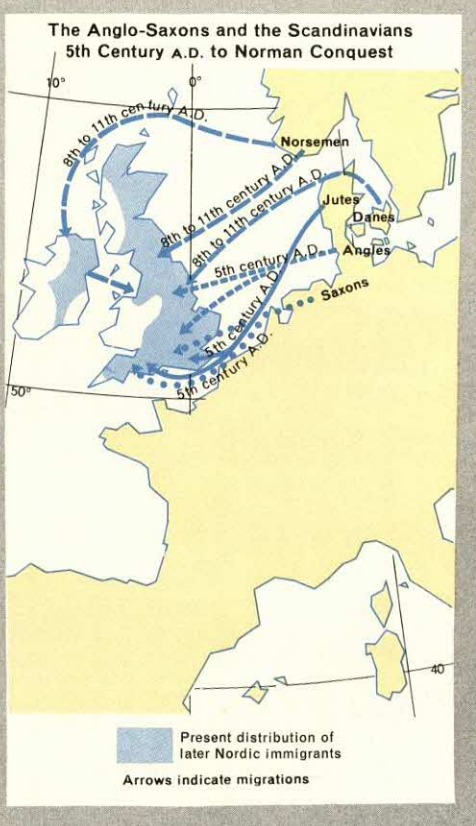
Negroid. Colour of eyes, hair, skin: dark brown to black. Hair texture: woolly, beard and body hair sparse. Nose: broad, low bridge. Lips: thick, everted. Blood group: high in Rh_o (cDe)

THE ORIGINS OF THE PEOPLES OF THE BRITISH ISLES









During Neolithic times the ancient population of Great Britain was pushed north and west by immigrant peoples—the Megalith builders came from the Eastern Mediterranean by sea; the Windmill Hill culture came overland, probably from North Africa. A pastoral Bronze Age people, making characteristic drinking beakers, came from Spain through the Rhineland, where they mixed with a more rugged Palaeolithic people. They were predominantly Dinaric. With the Iron Age came the first Nordics, the Celts, who form a basic element in the present population, especially in Ireland. The Romans contributed little to British racial types but their Mediterranean mercenaries founded colonies who did. In the 8th and 9th centuries Nordic immigration—i.e. of the Jutes, the Saxons and the Danes—continued from Scandinavia and the North German plain pushing the earlier people west. The last Nordic immigration was that of the Normans, whose influence on the physical type in Britain was mainly confined to the ruling classes.

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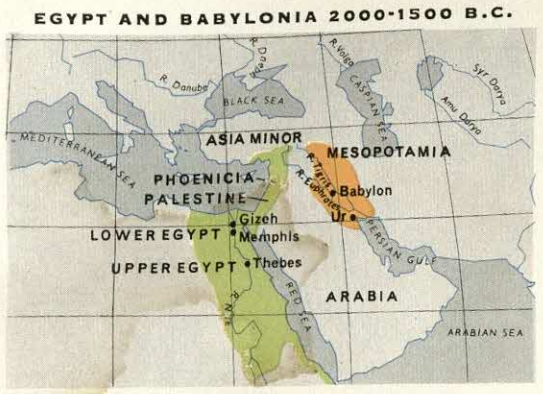

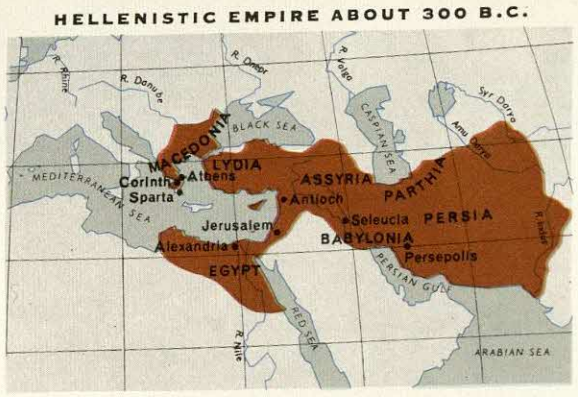

THE GROWTH OF CIVILIZATIONS

A TIME CHART OF MAN'S PROGRESS THROUGH THE AGES

ALMOST all the great civilizations originated in river valleys, were nourished by trade, and came to maturity in cities. The conditions of life in the cities provided the intellectual stimulus in which philosophers and scientists could study the meaning of the Universe and the nature of matter; artists and writers could express the ideals and aspirations of their people through the medium of architecture, literature, painting and music.

The course of civilization can be traced in the five main geographical areas shown below. The progress of a civilization is marked by man's increasing control over Nature through applied mathematics and science, the evolution of writing, legal codes, and political and religious organizations. Political development usually began with the formation of city states, some of which expanded into empires or federations, but all have proved to be transient. Religions first exerted local, then national influence; and some spread beyond their countries of origin.

NEAR EAST

The union of the peoples of the Upper and Lower Nile some 5,000 years ago heralded the first major civilization in history. During its development, mathematics made possible the building of the Gizeh Pyramids; hieroglyphs were turned into alphabetic writing on stone and papyrus reed; and medicine was born. About 1500 B.C. the Egyptian Empire extended as far as Syria, but slowly declined after its failure to subdue the Hittites and Assyrians. A most vigorous civilization then developed in the fertile valleys of Mesopotamia. Here the Babylonians and Assyrians had adopted the cuneiform writing, the mathematical discoveries and the technical advances of the Sumerians—the first to found city states in the Tigris and Euphrates valleys. The Babylonian and Assyrian Empires spread east and west until they were checked by the rise of the Persians.

The Persian Empire extended from the Indus Valley to the Mediterranean, and embraced Zoroastrianism. Meanwhile the Hebrews, after long migrations and exile in Egypt, settled in the "Promised Land" of Palestine. Their contribution was primarily religious, and paved the way for both Christianity and Islam.

After nearly a thousand years of Greek and Roman domination, another civilization was born in the Near East when, in the 7th century A.D., Arab rule and Islam spread as far as Persia and Spain. The Arabs preserved the knowledge of ancient science, philosophy and geography, translated Ptolemy, Euclid and Aristotle, and introduced into Europe the use of numerals and paper-making. Islam seemed seriously threatened when the Arabs were ousted from Spain and were defeated by the Turks in the Near East. The Turks, in taking over the Arab Empire, became Muslims, and the predominance of Islam continued. After being repelled in Central Europe, the Ottoman Empire began its slow decline. A revival of nationalism among the Arabs led to the foundation of the Arab League.

EUROPE

Western civilization originated in the Aegean, but received its real character from the cultures of Greece, Rome and Jerusalem. The Arabs and the Christian Church had preserved different aspects of these cultures, and, in their development, carried them farther. The Greeks, entering the Aegean from the north, built city states which, though constantly at odds with one another, shared a common cultural development, used the alphabet brought to them by trading Phoenicians, and provided the starting points for most of our own ideas and ideals.

BEFORE 2000 | 2000 | 1900 | 1800 | 1700 | 1600 | 1500 | 1400 | 1300 | 1200 | 1100 | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | B.C. 0

NEAR EAST

MESOPOTAMIAN

Sumerian City States

First use of irrigation in valleys of Tigris and Euphrates: First extraction of copper and invention of bronze

First appearance of cuneiform writing

Maths: invention of sexagesimal system which divides circle into 360 degrees, a degree into 60 minutes, and a minute into 60 seconds

Babylonian Empire

Advanced civilization in Anatolia. Efficient system of government and law. Wealth based on discovery of iron smelting

• Hammurabi, King of Babylon, passes great Code of Law

Hittites

Military superiority achieved through iron weapons and siege engines. Eastern Mediterranean conquered. Large empire governed from new capital at Nineveh

Assyrian Empire

• Ashurbanipal, Assyrian king, collects library of 20,000 tablets

Hellenistic Empires

• Alexander the Great destroys Persian Empire and enables Greek culture to spread: science and philosophy flourish: seventy cities founded, including Alexandria in Egypt, centre of arts and sciences until fall of Roman Empire

• Euclid, "father of geometry"

• Archimedes develops joint study of mathematics and physics

GREEK

Phoenicians "Missionaries of Civilization"

Sailed as far afield as Spain, Britain and West Africa and were masters of Mediterranean trade

Invented 22-consonant alphabet

Carthage founded •

ARAB

Persian Empire

From Indus to Nile

• Cyrus, founder of Persian Empire, adopts God of Light as supreme deity: Zoroastrianism becomes state religion

• Zoroaster, religious prophet—teaches salvation by faith in one god of light who triumphs over evil

PHOENICIAN

PERSIAN

EGYPTIAN

Old Kingdom

First use of irrigation in Nile Valley

First application of maths to large-scale building (Pyramids at Gizeh)

First division of time into Solar Years

Middle Kingdom

Great age of architecture and literature

Writing of hieroglyphs on papyrus reed

Science of building continues to develop: Temples at Thebes

New Kingdom

Decline of Egypt

Conquered by Assyrians, but architecture, science and medicine continue to flourish

Lydians invent coinage

TURKISH

HEBREW

Early Hebrews

• Abraham, founder of Jewish Nation

Egyptian captivity

• Moses

• Exodus from Egypt

• Ten Commandments

David and Solomon rule at Jerusalem

Kingdoms of Israel and Judah

Growth of Judaism: Belief in One God, Creator and Judge, and his Elect People

• Jerusalem destroyed

Babylonian captivity

• Great Prophets: Isaiah and Jeremiah

Jews under Foreign Rule

Most of Old Testament written

Jesus • Christ born

EUROPE

GREEK

Greek Settlements

Indo-Europeans invade from north, absorb Aegean culture

Greek City States

Growth of city states—politically divided, culturally united—Sparta, Corinth, Athens, Thebes

Golden Age

Birth of modern philosophy science and literature. Growth of Athenian democracy

• Tragedies of Aeschylus and Sophocles

• Pericles

• Parthenon built

• Thucydides

• Socrates

• Plato

• Aristotle

• Alexander the Great

Hellenistic Empire

Decline of Athens, rise of Macedon, spread of Greek civilization to Near and Middle East in wake of Alexander the Great's armies

WESTERN

Aegean Civilization

Centred on Crete. Prosperity based on Mediterranean trade. Contact with Near East and Europe. Spread to Mycenea and Greek States

• Siege of Troy in Asia Minor

• Homer's Iliad and Odyssey composed

• Dorians invade Greece

• First Olympiad

• Solon's Laws

• Pythagoras's Law of Maths

AEGEAN

Palace at Knossos—evidence of high standard of art: sculptures and wall paintings

Use of hieroglyphic writing

Linear script invented thus speeding the process of writing

Development in copper and bronze working

• Fall of Crete

Greeks learn alphabet from Phoenicians

ROMAN

Invasions of Italy

Greeks found city states in Italy

Etruscans in Rome

Kings expelled and Republic established

Roman Republic

Rome conquers Italy and Mediterranean

• Punic wars: Rome defeats Carthage

Struggle for political power between Patricians and Plebeians—constitutional experiments

• Founding of Rome

Roman

• Rome conquers Greece

Caesar conquers Gaul and invades Britain

Golden Age of literature and architecture

• Cicero

• Virgil

• Livy

BYZANTINE

MIDDLE EAST

INDIAN

Indus Valley Civilization

Dravidians, whose descendants still live in Southern India, establish first city communities in Indus Valley, introduce irrigation schemes, develop pottery and evolve a well ordered system of government

First trade contacts with river civilizations in Mesopotamia

Aryan Invasions

Aryans from north-west conquer original Dravidians, settle and intermarry

Early Hindu Civilization

Growth of Hindu religion—belief in all pervading World Soul (Brahman): salvation through knowledge: continuous rebirth

Early Hindus produce a vigorous literature of epic poems and religious hymns: the "Rig-Veda"—collection of early sacrificial hymns

Caste system develops—from Brahmans (priests) to Shudras (labourers)

• Gautama, originally a Hindu, founds Buddhism—religion of personal salvation through withdrawal, meditation and strict morality. Aim is "Nirvana," a peace beyond this world

Upanishads—collection of Hindu teachings

Mauryan Dynasty

All India, except for the far south, is first unified

• Ashoka, greatest of Mauryan emperors, establishes Buddhism over most of India, sends missionaries to Syria, Ceylon, Tibet. Reign of peace and reform: education endowed: roads and hospitals built

• The Mahabharata, great epic poem, composed

MUSLIM

BRITISH

INDEPENDENCE

FAR EAST

CHINESE

Ancient China

Origins of Chinese civilization, oldest living civilization in the world, lie in Yellow River valley where so-called Sage Kings are credited with the development of agriculture, medicine, river conservancy

Shang Dynasty

Yellow River civilization expands to territories north and south of Yellow River

Lunar calendar first devised

No alphabet, but complicated form of character writing evolved

Silk first manufactured

Bronze used for making vessels

Chou Dynasty

Rule of this dynasty extends as far as the Yangtze River. Irrigation works, dams and canals built, but progress is broken by occasional periods of revolt and disunity, and central control is never strong

This period produced skilful bronze, ivory and jade works, and some great lyrical poetry

Golden Age of philosophy:

• Lao Tse, legendary founder of Taoism, teaches belief in the harmony and goodness of Nature

• Confucius teaches practical lessons of wise and righteous behaviour in society

Ch'in Dynasty

Loose central control of Chou Dynasty replaced by strong central government

• Great Wall of China built to end constant invasions from the north

Han

Schools and colleges founded for education of ruling classes

Confucianism grows in influence and becomes State religion

MONGOL

JAPANESE

THE AMERICAS

PRE-COLUMBIAN

Pre-Columbian Period

Several waves of migration from Asia peopled the American continent over 20,000 years ago.

• Olmec Indian civilization Makers of mosaics and jewels.

• First great Mexican civilization, the Maya. Developed heiroglyphic writing, arithmetical systems, calendar, expressionist art

• La Venta, major settlement of Olmec Indians

• Teotihuacán: centre of important civilization in the valley of Mexico Pyramid of the Sun Pyramid of the Moon

• First Zapotec Indian civilization Representation of gods in guise of clay urns. Main builders of mountaintop city of Monte Albán Lasted till 14th c. A.D.

COLONIAL

S. AND CENT. AMERICA

U.S.A.

CANADA

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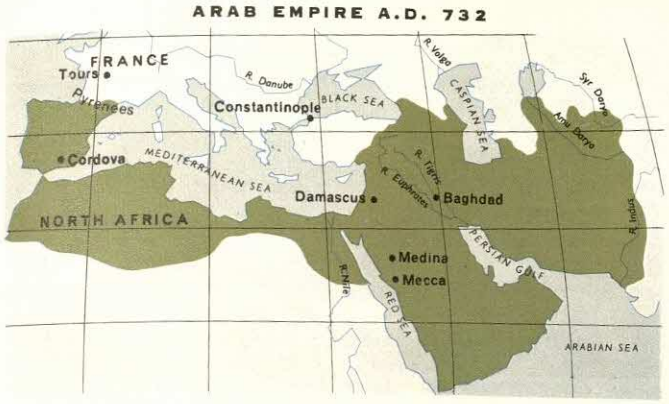
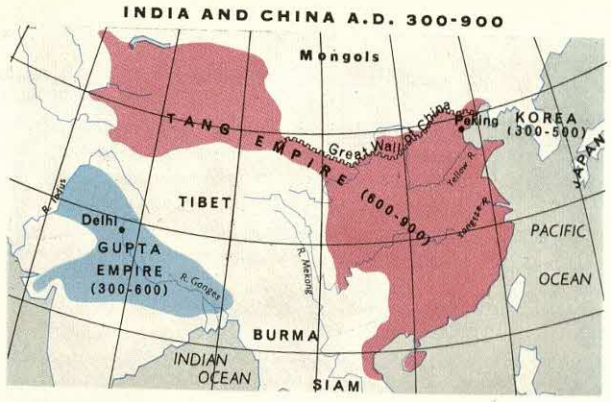




Alexander the Great's victories over the Persian Empire carried Greek culture to the Near and Middle East. But it was spread still farther by the Romans, who conquered Greece and became masters of the Mediterranean and much of Europe. The Romans excelled as administrators. They created an enlightened and impartial system of law, an international language, imposing architecture, and a network of roads. The Roman Empire was divided into East and West in the 4th century A.D., but although the Western Empire disintegrated in the following century, the Eastern or Byzantine Empire, with Constantinople as its capital, resisted the onslaught of the Arabs and the Turks for nearly ten centuries, and spread its religion and culture to Bulgaria and Russia.

Meanwhile Christianity penetrated central Europe, the Church becoming responsible for the preservation of knowledge inherited from the past. The rebirth of classical learning during the Renaissance started a scientific and artistic revolution. Protestantism broke the religious supremacy of the Church of Rome. New lands were discovered, and European ideas spread to many parts of the world. The 19th century saw a great industrial revolution, brought about by the advance of science and technology and an unprecedented growth in population.

MIDDLE EAST—INDIA

Indian history is a record of constant invasions from the north-west, which brought contacts with foreign civilizations and an influx of alien races and religions. Until recently, political unity has never lasted long. The formative influences on Indian thought, art and society have been religious. India has produced many outstanding spiritual leaders from Buddha to Gandhi.

The ancient city civilization of the Indus Valley was destroyed by Aryan invaders, who intermingled with the original inhabitants and evolved the Hindu religion. In the 6th century B.C. Buddhism branched off from the main stream of Hinduism but made little impact until the 3rd century B.C., when Asoka, the greatest of the emperors of the Mauryan dynasty, patronized it, encouraged its adoption by the people and sent Buddhist missionaries to Burma and Ceylon. After Asoka's death came a revival of Hinduism in India. Buddhism rapidly lost its hold there, but spread to China, where it was widely accepted.

Hindu culture saw its golden age under the Gupta dynasty in the 3rd century A.D., when mathematics, astronomy, scholarship and architecture made great forward strides.

In the 10th century A.D., waves of Muhammadan invaders settled in India, and so initiated the long rivalry between Hindu and Muslim. In the 16th century new invaders, the Moguls, established Muhammadan rule over most of India. They produced great architecture, such as the Taj Mahal, and gave India many able and enlightened rulers. By the beginning of the 18th century the Mogul Empire had declined, and European powers were fighting one another for supremacy in the Indian sub-continent. Britain emerged from this struggle, to rule until 1947, when India and Pakistan became autonomous nations.

FAR EAST—CHINA

For centuries China was, geographically, almost inaccessible, and consequently its civilization developed in relative isolation. It absorbed its many invaders, and adapted their ideas to its own traditional culture.

The Chinese, the oldest living civilization, was more than once further advanced and more vigorous than other civilizations. It was practical and humanist, rather than religious. Originating in the Yellow River Valley, it spread north and south, reaching its first golden age in the 6th and 5th centuries B.C. under the Chou Dynasty. In this period the somewhat legendary Lao Tse founded Taoism. Later, under the same dynasty, Confucius taught a more active way of wise and righteous living through knowledge and adherence to a strict moral code. Confucianism was developed by Mencius, and became the official state religion under the Han Dynasty 2,000 years ago. The Han Emperors were the first rulers in the world to use a Civil Service (Mandarin class), entry into which was by competitive examination. Their reforms were made possible by the work of their predecessors, the Ch'in Dynasty, who imposed a large measure of central control for the first time, and built the Great Wall for protection against invasion from the north.

Buddhism spread from India to China during the 1st century A.D. It made an immediate appeal to the Chinese who, in turn, passed its teaching on to Korea and Japan.

After a period of disorder, and invasion by the Huns and Tartars, Chinese culture and scholarship flowered again, under the Tang and Sung Dynasties. Mongol invasions interrupted this golden age, but Kublai Khan, grandson of Ghengis Khan and the most enlightened and progressive of the Mongol Emperors, encouraged contact with the outside world. Under the Ming Dynasty, which drove out the Mongol Dynasty, the richness and variety of Chinese life became the envy of foreign traders, travellers and missionaries. But their successors, the Manchus, made a deliberate attempt to isolate China. This led to internal stagnation and, after the "Boxer Rebellion" in 1900, ended in the collapse of Imperial China. Sun-Yat-Sen proclaimed a republic in 1912, and after nearly forty years of almost continual civil strife and of war with Japan, the communists won control in 1949.

THE AMERICAS

No great early Indian civilization is known in North America. In Central and South America many Indian civilizations succeeded one another, as shown in the chart. All were notable for their architecture and art. The last of them, the Aztec and the Inca, were overthrown in the early 16th century by the Spaniards, who then divided the country between themselves and the Portuguese and imposed the Roman Catholic religion on the Indians. From the end of the 15th century North America and parts of South America were gradually colonized by other Europeans, who took with them their own civilization. From subsequent wars and revolutions, Canada, the United States, and the countries of Central and South America emerged as they are today.

A.D. 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900

Arab-Muslim Civilization in Near East and Spain

Islam, influenced by Judaism, teaches, "There is no god but Allah, and Muhammad is His Prophet." Brotherhood of all Muslims: Caliphs extend militant Islam to Indus and Pyrenees but are checked in France and at Constantinople

Arab civilization at Baghdad, Damascus and Cordova. Knowledge of ancient cultures preserved

Islam continues to dominate Near East but wanes in Europe

Arab Nationalism Modern Palestine

From Morocco to Persia—Western influence grows, then declines

Roman supremacy over Near East

Monasticism originates in Near East and spreads to Europe

• Arabs expelled from Spain

• Galen, Greek doctor leading medical authority till the 16th century

Neo-Persian Empire

Study of mathematics, astronomy, alchemy and geography flourishes

Islam invades India, brings back Indian numerals to Near East and Europe

• Battle of Lepanto breaks Turkish sea-power in Mediterranean

• Arab League founded

Sassanians rule from Indus to Mediterranean

Zoroastrianism revived as state religion

• Averroes: commentaries on Plato and Aristotle

• Muhammad at Mecca

• Avicenna: philosopher, one of the world's greatest teachers of medicine

• Batuta: traveller and explorer, stimulates study of geography

• Last unsuccessful siege of Vienna marks Islam's final attempt to conquer Europe

• Foundation of new state of Israel

• Claudius Ptolemy, of Alexandria, constructs first map on assumption that world is spherical in shape

• Chosroes I successfully defies Roman Empire and rules over a highly developed society until conquered by the Arabs: grants toleration for Christians

• Qurán edited

Ottoman Empire

Modern Turkey

Paper and block printing introduced from China

Turks, a Central Asian warrior race, embrace Islam, take over Arab Empire, rule from Belgrade to Persian Gulf, block Western trade with Far East

Series of Balkan revolts lead to break-up of Empire

• Turkish Republic founded by Kemal Ataturk

Roman Palestine

• Fall of Jerusalem and dispersal of the Jews

New Testament written

• Seljuk Turks capture Baghdad, fight Crusaders for possession of Holy Land

• Constantinople captured from Greeks

• Suleiman the Magnificent—his reign marks height of Ottoman Empire's power

Early Christian Era | **Dark Ages** | **High Middle Ages** | **Renaissance and Reformation** | **Age of Reason, Industrialism and Socialism**

Despite persecution Christianity steadily grows

• St. Augustine writes "City of God"

Travels of St. Paul

• Constantine recognizes Christianity

Civilization rests on concept of "Christendom" and the unity of Europe—Holy Roman Empire. Pope and Emperor contest leadership. The Church serves as guardian of culture. Outlook spiritual rather than material

• Revival of idea of one unified Empire by Charlemagne

Friars: Franciscans and Dominicans

Crusades

Intellectual and artistic revolution. Revived interest in classical knowledge stimulates progress in art, literature, science and philosophy

• Giotto

• First printing press

Luther and Calvin break away from the Church of Rome

Scientific discoveries transform man's understanding of Universe and undermine religious creeds. Industrial revolution causes urbanization, creates new wealth and gives West political and economic hegemony. Political power and education no longer confined to upper classes.

• William Harvey, physician, discovers circulation of blood

• Darwin's law of Evolution

• Einstein's Theory of Relativity

Empire | **Decline and Fall**

Growth of monastic orders and foundation of numerous monasteries: Benedictines and Cistercians

Gothic Cathedrals: • Chartres • Rheims

• Dante

• Chaucer

• Erasmus

• Galileo's telescope and laws of motion

• Faraday, chemist and pioneer of electro-magnetism

• Nuclear fission

"Pax Romana" from Spain to Persia. Creation of advanced system of law and administration

Gradual military and economic decline in Western part of Empire

Missions: • St. Patrick, Ireland • St. Columba, Scotland • St. Augustine, England • St. Boniface, Germany

Foundation of Universities: • Bologna • Paris • Oxford

• van Eyck

• Brunelleschi

• Newton's law of gravity

• Steel first made by Bessemer

Exploration of Space begins

• Watt's steam engine

• Augustus, first Emperor

• Division into Western and Eastern Empires

Philosophers: • Descartes • Kant • Locke • Rousseau • Marx • Freud's psychology

• Michelangelo

• French Revolution

• Russian Revolution

• Marcus Aurelius

Classicism and Romanticism in the Arts

Modern Art: • Picasso

Painting: • Rembrandt • Hogarth • Goya • Turner • v. Gogh

Literature: • Shakespeare • Voltaire • Goethe • Balzac • Tolstoy • J. Joyce

Music: • Bach • Beethoven • Chopin • Verdi • Stravinsky

Spread of Greco-Roman culture throughout Roman Empire. Romans surpass Greeks in architectural achievements

Eastern Roman Empire Byzantine Civilization

Greek culture, Roman government. Greek Orthodox Church breaks with Roman Papacy. Byzantine Empire defends East against Turks, and its religion and culture penetrate into Russia and Balkans

Expansion of Europe: • Columbus in West Indies • Vasco da Gama in Africa and India • Cortez in Mexico • Cook in Pacific • Puritans in North America

• Justinian codifies Roman Law and builds St. Sophia

Art and architecture of great brilliance—use of mosaics

• Separation of Western and Eastern Churches

Fall of • Constantinople

• Colosseum built

Independent States | **Gupta Dynasty** | **Rival States** | **Mohammedan Invasions and Settlements** | **Mogul Empire** | **British Rule** | **Independence**

Mauryan Empire crumbles under foreign invaders who import Greek and Persian influences. In its place arise a number of short-lived kingdoms

This dynasty once again unifies much of India and marks golden age of Hindu literature, art and science

Gupta Empire breaks up under impact of Hun and early Arab invasions into a number of Hindu kingdoms

Militant Muslim invaders overrun Hindu kingdoms and for first time settle in India, thus beginning the bitter Muslim-Hindu rivalry. Hinduism in turn becomes more militant

Mogul rulers (Muslim) unite most of India, restore law and order

• Britain defeats France in Seven Years War: influence of East India Company supreme

Gandhi leads independence movement through passive resistance

• Babur founds Mogul empire

• Akbar seeks toleration for all religions. Encourages trade, arts and sciences. Most brilliant period in Muslim India

• Indian Mutiny

India under British Crown, law and order strengthened, roads and railways built, currency unified

• Former Indian Empire attains independence as India and Pakistan

Hinduism asserts itself as a unifying factor in this period of political disunity

Sanskrit becomes universal literary language

Buddhism progressively disappears from India, its country of origin, but is dominant in the religion and culture of Burma, Siam, Java and Ceylon

Muslim rule spreads over most of north India and the Deccan

• First Muslim dynasty established at Delhi

• Jesuits welcomed

• Taj Mahal built

Rivalry between Portuguese, Dutch, French and British traders

Buddhism reaches China

Astronomy: Theory of rotation of earth discovered by Hindus

Architecture: shrines, temples and caves

Maths—decimal system and use of zero evolved, later brought to Europe by Arabs

• Kalidasa—poet and dramatist

Muslim architecture introduced

Dynasty | **Dark Ages** | **Tang Dynasty** | **Sung Dynasty** | **Mongols** | **Ming Dynasty** | **Manchu Dynasty** | **Republic**

Policy of strengthening central control continues Hans are first to create a permanent Civil Service (Mandarin class)

Period of disorder

Hun and Tartar invasions and disappearance of central control

Central control and a high degree of unity re-established Golden Age of learning, science and art. Traders and scholars make contact with India and Arab countries

• Academy of Letters founded

• Imperial Academy of Painting founded

China becomes part of Mongol Empire. Kublai Khan encourages trade with outside world. Fails to conquer Japan and Java

Mings drive out Mongols, restore Confucianism and Mandarin class

Renaissance of scholarship and painting

The Manchus from Manchuria oust the Mings and found a new dynasty. They extend Chinese overlordship to Korea, Mongolia, Indo-China and attempt to exclude foreigners from China

• Revolution of Sun-Yat-Sen. Collapse of Manchus and end of Imperial China

• Communist Revolution

Buddhism comes from India

Rapid spread of Buddhism

Block printing, magnetic compass, gunpowder invented

Manufacture of porcelain perfected

Neo-Confucianism of Chu Hsi

• Kublai Khan visited by Marco Polo

• Ming Code of Law

• Jesuit missionaries

European powers seek to open up China

• The anti-European Boxer Rising fails

First use of paper

Landscape, animal, flower and bird painting thrives

Japanese

Japan remains a closed community until 5th century A.D.; its earlier history is legendary

Buddhism is introduced from China via Korea, and with it Chinese writing

Chinese culture penetrates into Japan and exists side by side with ancient Japanese feudal and religious customs

Painting, architecture and landscape gardening flourish

• Christianity introduced by Francis Xavier

Christianity exterminated, relations with outside world severed

• Com. Perry, U.S. Navy, forces Japan to reopen communication with outside world

Japan becomes modern, industrial state

Pre-Columbian Period | **Colonial Period** | **South and Central America**

• Period of authentic artistic splendour. Elaborate geometricism Purely religious inspiration

• Tiahuanaco Indian civilization in Bolivia

• Height of Mayan civilization at Chichen Itzá, Yucatán. Knowledge of arithmetic, astronomy and farming grows

• Toltec Indians take over Teotihuacán Building of superb cities such as Tula Temple of the Plumed Serpent

Aztec Indian civilization Military people who, under Montezuma in early 16th c. dominated Mexico

• Incas rule from Colombia to N.Chile Efficient political system. Temple of the Sun at Cuzco

• Columbus in W. Indies

• Cabot in Labrador and N. America

• Portuguese in Brazil

• Cortez in Mexico

• Pizarro in Peru

• Slave Trade begins

• English in Newfoundland and Virginia

• Pilgrim Fathers

• Independence generally throughout 19th c.

U.S.A.

• Washington President

• Monroe Doctrine

• B. Franklin

• Boston Tea Party

• Declaration of Independence

Morse

Stock Exchange collapses Roosevelt New Deal

• Lincoln frees slaves: Civil War

E. A. Poe

Literature: Mark Twain Emerson, Thoreau Longfellow, Walt Whitman

First satellite and astronauts

Kennedy assassinated

Canada

• Cartier to St. Lawrence

Battle of Quebec

• Canada united

• Dominion established

St. Lawrence Seaway opened

French in Canada

• Treaty of Paris

• Upper and Lower Canada formed

RELIGIONS—
THEIR ORIGINS AND ADHERENTS

In him we live, and move, and have our being — ACTS 17

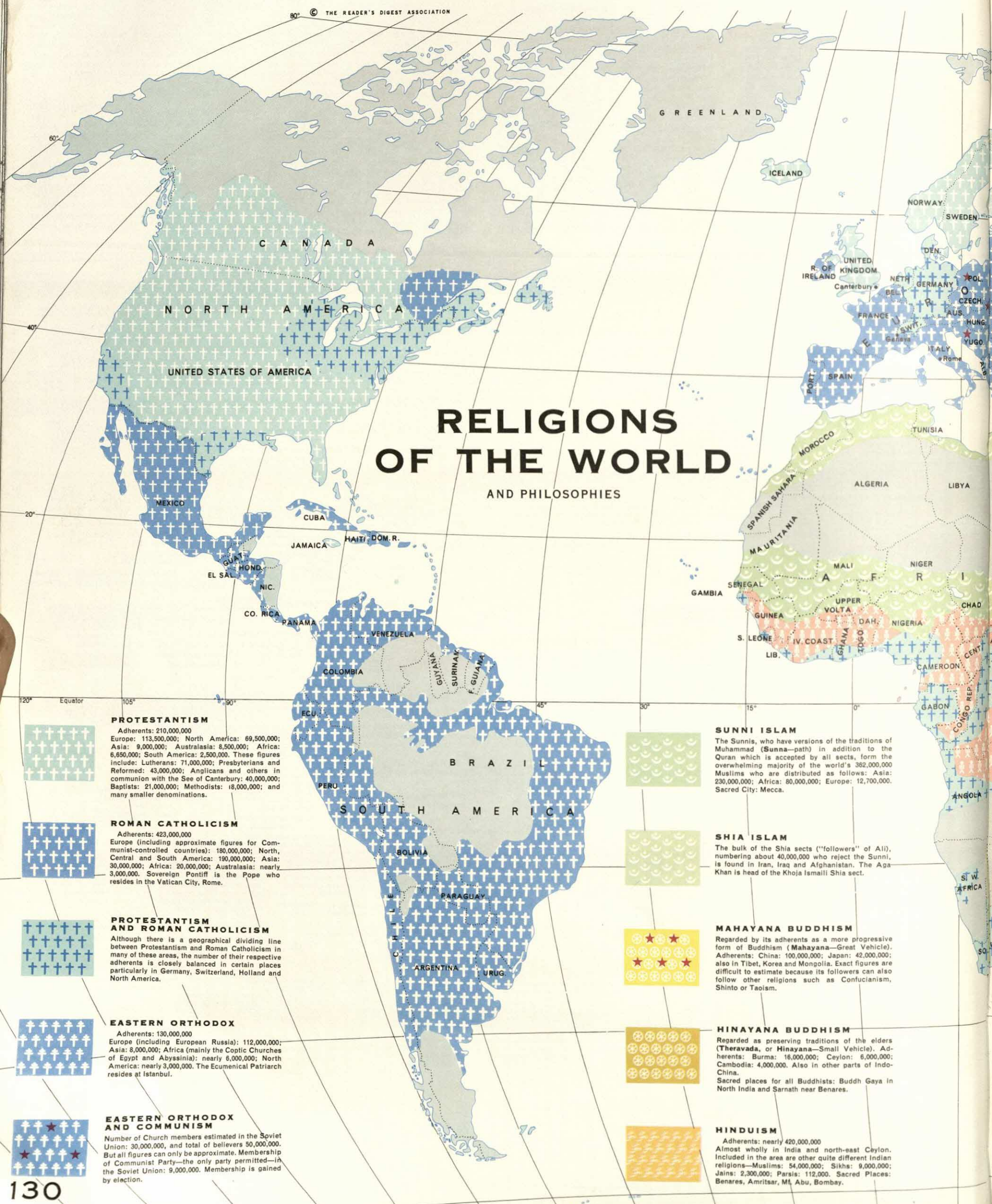
RELIGION knows neither frontiers nor geographical barriers. With the exception of tribal religions which, though differing from one another in form and ritual, all seek to explain the mystery of life by insisting that Nature is animated by spirits, most religions have, for one reason or another, spread beyond the lands of their origins.

JUDAISM, which dates back to Moses in the 13th century B.C., when even the most advanced societies still worshipped a multiplicity of gods, is uncompromisingly monotheistic. After its clash with Imperial Rome and the destruction of Jerusalem in A.D. 70 and 135, the Jews were expelled from the Holy Land, and a Jewish state was not again established in Palestine until 1948—almost 2,000 years later—although the majority of adherents of Judaism remain scattered throughout the world.

HINDUISM, the age-old religion of India, which honours many gods and goddesses—all of whom, however, are regarded as manifestations of the one divine spirit, Brahman—introduced into religious thinking the concept that spiritual peace and happiness can be attained only through physical and mental discipline (*yoga*—yoke). Its rigid caste divisions have been the target of innumerable reformers—among them men like Gandhi, Tagore and Bhave.

BUDDHISM, an offshoot of Hinduism, was founded by Gautama (563-483 B.C.) in North India and insists on rigid moral and spiritual discipline in order to attain Nirvana, a condition where *karma* (deeds) have perished, the cycle of rebirth on earth has ceased, and supreme peace is attained. It spread widely throughout Asia, developing many local variations of philosophy, form and practice. In Japan, ZEN (meditation) Buddhism teaches enlightenment, while elsewhere many Buddhist teachers hold that salvation for all is possible only through the grace of Buddhas and *Bodhisattvas* (Beings of Enlightenment).

In China, from the 1st century A.D. onwards, Buddhism became mingled with the already established religions of CONFUCIANISM and TAOISM. Confucius' philosophy, which was of little influence in his own lifetime (551-479 B.C.), had been elaborated by subsequent generations of scholars both to provide a moral basis for the political structure of Imperial China and to embrace the hallowed forms of ancestor worship which



PROTESTANTISM

Adherents: 210,000,000
Europe: 113,500,000; North America: 69,500,000; Asia: 9,000,000; Australasia: 8,500,000; Africa: 6,650,000; South America: 2,500,000. These figures include: Lutherans: 71,000,000; Presbyterians and Reformed: 43,000,000; Anglicans and others in communion with the See of Canterbury: 40,000,000; Baptists: 21,000,000; Methodists: 18,000,000; and many smaller denominations.

ROMAN CATHOLICISM

Adherents: 423,000,000
Europe (including approximate figures for Communist-controlled countries): 180,000,000; North, Central and South America: 190,000,000; Asia: 30,000,000; Africa: 20,000,000; Australasia: nearly 3,000,000. Sovereign Pontiff is the Pope who resides in the Vatican City, Rome.

PROTESTANTISM AND ROMAN CATHOLICISM

Although there is a geographical dividing line between Protestantism and Roman Catholicism in many of these areas, the number of their respective adherents is closely balanced in certain places particularly in Germany, Switzerland, Holland and North America.

EASTERN ORTHODOX

Adherents: 130,000,000
Europe (including European Russia): 112,000,000; Asia: 8,000,000; Africa (mainly the Coptic Churches of Egypt and Abyssinia): nearly 6,000,000; North America: nearly 3,000,000. The Ecumenical Patriarch resides at Istanbul.

EASTERN ORTHODOX AND COMMUNISM

Number of Church members estimated in the Soviet Union: 30,000,000, and total of believers 50,000,000. But all figures can only be approximate. Membership of Communist Party—the only party permitted—in the Soviet Union: 9,000,000. Membership is gained by election.

SUNNI ISLAM

The Sunnis, who have versions of the traditions of Muhammad (**Sunna**—path) in addition to the Quran which is accepted by all sects, form the overwhelming majority of the world's 362,000,000 Muslims who are distributed as follows: Asia: 230,000,000; Africa: 80,000,000; Europe: 12,700,000. Sacred City: Mecca.

SHIA ISLAM

The bulk of the Shia sects ("followers" of Ali), numbering about 40,000,000 who reject the Sunni, is found in Iran, Iraq and Afghanistan. The Aga Khan is head of the Khoja Ismaili Shia sect.

MAHAYANA BUDDHISM

Regarded by its adherents as a more progressive form of Buddhism (**Mahayana**—Great Vehicle). Adherents: China: 100,000,000; Japan: 42,000,000; also in Tibet, Korea and Mongolia. Exact figures are difficult to estimate because its followers can also follow other religions such as Confucianism, Shinto or Taoism.

HINAYANA BUDDHISM

Regarded as preserving traditions of the elders (**Theravada**, or **Hinayana**—Small Vehicle). Adherents: Burma: 16,000,000; Ceylon: 6,000,000; Cambodia: 4,000,000. Also in other parts of Indo-China.
Sacred places for all Buddhists: Buddh Gaya in North India and Sarnath near Benares.

HINDUISM

Adherents: nearly 420,000,000
Almost wholly in India and north-east Ceylon. Included in the area are other quite different Indian religions—Muslims: 54,000,000; Sikhs: 9,000,000; Jains: 2,300,000; Parsis: 112,000. Sacred Places: Benares, Amritsar, Mt. Abu, Bombay.

have always been practised in China: Taoism, based on the teachings of Lao Tse in the 6th century B.C., taught a quietist religion of living in the way (*tao*) of nature.

In Japan, from the 6th century A.D. onwards, Buddhism became mingled with the ancient religion of SHINTO, a nature worship of a multiplicity of deities honoured at shrines like that of Amaterasu, the Sun Goddess, at Ise, and many Japanese still attend the places of worship of both faiths.

One of the most active proselytizing faiths in the history of religion, ISLAM, was carried across Asia and Africa; it swept round the southern shores of the Mediterranean, crossed the Straits of Gibraltar into Spain and even penetrated into France after the death of its founder, Muhammad (A.D. 570-632). Almost a thousand years later, Islamic power penetrated far into Central Europe up to the walls of Vienna, and when the tide eventually receded, it left behind, particularly in the Balkans, innumerable islands of Muslim communities.

The religion with the largest number of adherents and the most pronounced missionary zeal in the world today is CHRISTIANITY. It was founded in the 1st century A.D. by Jesus of Nazareth, who was accepted as the Christ, the Messiah or Anointed One, by his disciples who were then called Christians. His Crucifixion in Jerusalem and his Resurrection furnished the main articles of faith and the Symbol of the Cross.

Christianity spread quickly through the Roman Empire, where it became the official religion in the 4th century A.D., with the Pope in Rome—the successor of St. Peter, Christ's chief disciple—widely recognized as the supreme authority in a rapidly emerging Church hierarchy. The Eastern Church, which began in the Holy Land before there were any Christians in Rome, rejected papal authority in the 11th century A.D.; and the Eastern Orthodox Church—comprising the historical patriarchal sees of Jerusalem, Antioch, Alexandria and Constantinople, to which was later added the patriarchate of Moscow (the largest today)—continued as a federation of mutually independent churches, standing in full communion with one another and united as equals. The ancient Armenian Jacobite, Syrian, Indian, and Coptic Abyssinian and Egyptian Churches are known, however, as the Separated Churches of the East.

A further rupture in Christian unity came in the 16th century with the Reformation movements of Protestantism, and Protestantism itself is now divided into many denominations. But the settlement of new continents has carried Christianity in one form or another to almost all parts of the world, and strong movements for Christian reunion are now in force.

CHINESE RELIGIONS AND COMMUNISM

Confucianism and Taoism: Adherents: about 300,000,000 mainly in China and Asian countries on its borders. Sacred City: Peking.
Buddhism: adherents: 100,000,000. Exact figures unascertainable because many Chinese follow all three religions.
Communism: party membership (no other party permitted): about 14,000,000. Membership granted as an honour. Party militantly anti-religious.

SHINTO AND BUDDHISM

Shinto: adherents: 40,000,000 almost exclusively in Japan. Sacred places: Shrine of Amaterasu the Sun Goddess, at Ise.
Buddhism: adherents in Japan: 42,000,000. Exact figures unascertainable because many Japanese follow both faiths.

TRIBAL RELIGIONS

Practised by about 100,000,000. Mainly in Africa, and also among Australian Aborigines, North, South and Central American Indians and primitive communities in Burma, India, Mongolia, Siberia and Indonesia.

JUDAISM

Adherents: 12,000,000
Israel: nearly 2,000,000; U.S.A.: 5,600,000; U.S.S.R.: nearly 3,000,000; Europe (excluding European Russia): 1,250,000 (between five and six million Jews perished during the Second World War); Asia: nearly 2,000,000. Sacred City: Jerusalem.

TOO THINLY POPULATED

No large places of worship although there may be missionary activity in areas where there are tribal religions.

BIBLE LANDS

And ye shall be my witnesses both in Jerusalem, and in all Judaea and Samaria, and unto the uttermost part of the earth — ACTS 1

THE OLD TESTAMENT

THE Old Testament relates the history of the Hebrew people during some 2,000 years. Their story begins with the migration from the city of Ur, in ancient Chaldaea, of a band of Semites led by Abraham in response to a divine call. Abraham, with his family, settled for a time at Haran in northern Syria, but later, about 2000 B.C., moved south into Canaan. Hebrew clans subsequently entered Egypt, and remained there for an unknown period.

The Exodus from Egypt under the leadership of Moses and the wanderings in the wilderness subsequently led them to the Promised Land—"a land flowing with milk and honey." Here eventually they united to form a nation under King Saul and his successors, David and Solomon; but with the division of the kingdom which followed Solomon's death they found themselves surrounded by powerful and hostile neighbours. In this precarious situation the prophets sought to teach the people that only religious purity, social righteousness and political neutrality would save them from extinction. Nevertheless a series of foreign invasions culminated in the destruction of Jerusalem in 586 B.C., when a large part of the nation was carried off in captivity to Babylon.

In 539 B.C. Babylon itself was captured by the Persian King Cyrus, who gave permission to the exiled Jews to return to their native land. A small number did so, and began to rebuild the Temple and with it the national life.

But the days of political independence were over. Persian rule gave way to Greek, and when Antiochus IV attempted to unite the heterogeneous elements of his realm on the basis of a common Hellenistic culture and religion, the Jews rebelled under the intrepid and not unsuccessful leadership of Judas Maccabaeus. The priest-kingdom of his descendents, however, succumbed in 63 B.C. to yet another foreign invader—Pompey and his Roman legions.

The troubled history and prolonged sufferings of the Jewish people convinced them, in the end, that their sole hope lay in God, who, in his own good time, they believed, would intervene in the course of world events by sending a Messianic king under whom they would at last find deliverance.

THE NEW TESTAMENT

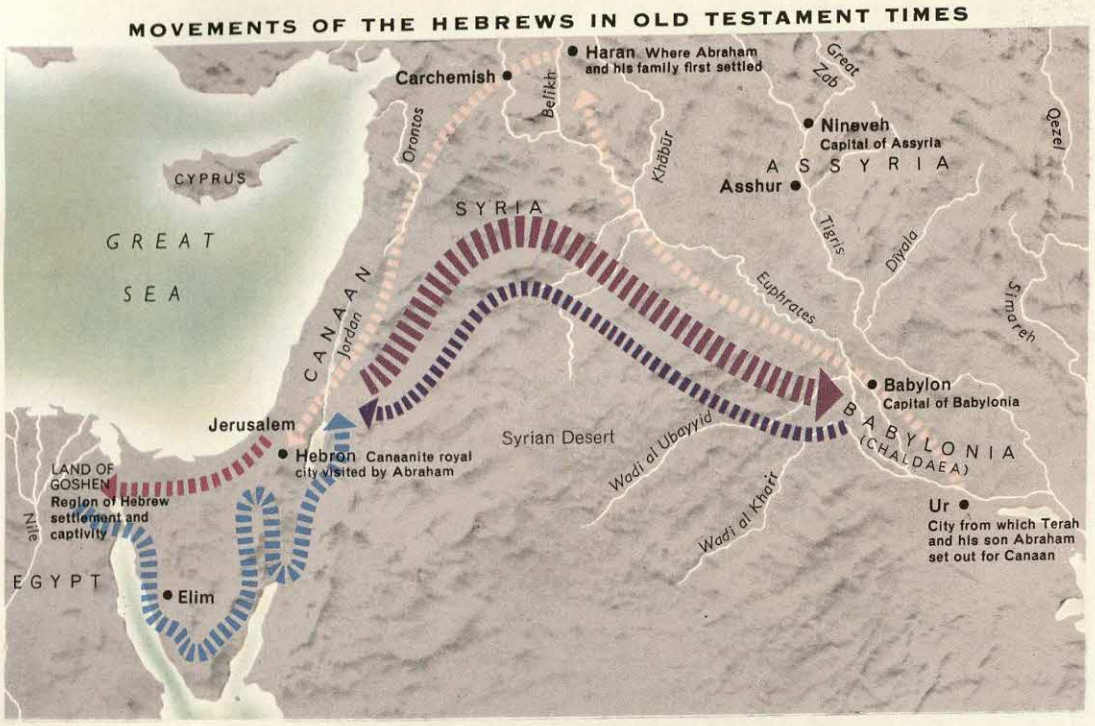
The New Testament covers a period of some 60 years, beginning with the birth of Jesus in Bethlehem, the true date of which is probably about 4 B.C. Apart from the nativity stories and a single incident in Jesus' youth, the Gospels deal with a period of no more than three years, from the opening of His public ministry in Galilee to His death in Jerusalem at the hands of the Romans. The events leading up to the crucifixion and Christ's subsequent resurrection "on the third day" are recorded in detail, for these constituted the essence of the earliest Christian preaching and teaching.

From the moment of the descent of the Holy Spirit at the time of the Jewish feast of Pentecost, Jesus' followers set about the dangerous work of proclaiming the Christian message and baptizing converts—at first Jews, but later also Gentiles—into the "New Israel," the Church. In this work, Saul of Tarsus—St. Paul—himself a converted Pharisee, took the lead.

Paul's own mission was to the Gentile world, and his many journeys took him through Asia Minor to Greece and eventually to Rome itself. Of his death the New Testament makes no mention, but tradition awards him the martyr's crown.

In spite of persecution by the Romans and much public hostility, Christianity spread to Africa, Spain and Gaul in the first century A.D., and ultimately became the faith of the Roman Emperor.

MOVEMENTS OF THE HEBREWS IN OLD TESTAMENT TIMES



c. 2000 B.C. Abraham, from Ur of the Chaldaeans, enters the land of Canaan in answer to God's call

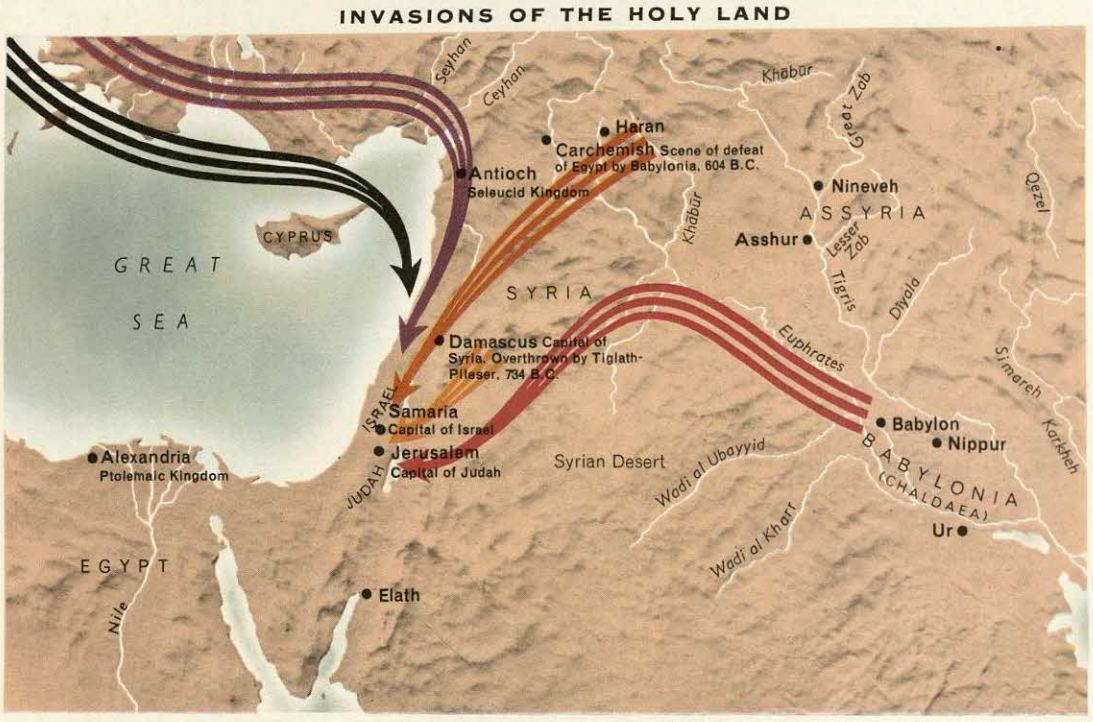
18th cent. B.C. Increased Semitic migration into Egypt. Establishment of Hyksos rule

*c.*1220 B.C. (?) Exodus from Egypt of Hebrew clans under Moses and the wanderings in the wilderness

597 B.C. Beginning of Jewish exile in Babylon

After 539 B.C. Return of many Jews to the Holy Land after liberation by Cyrus

INVASIONS OF THE HOLY LAND



842 B.C. Israel engaged in disastrous war with Syria

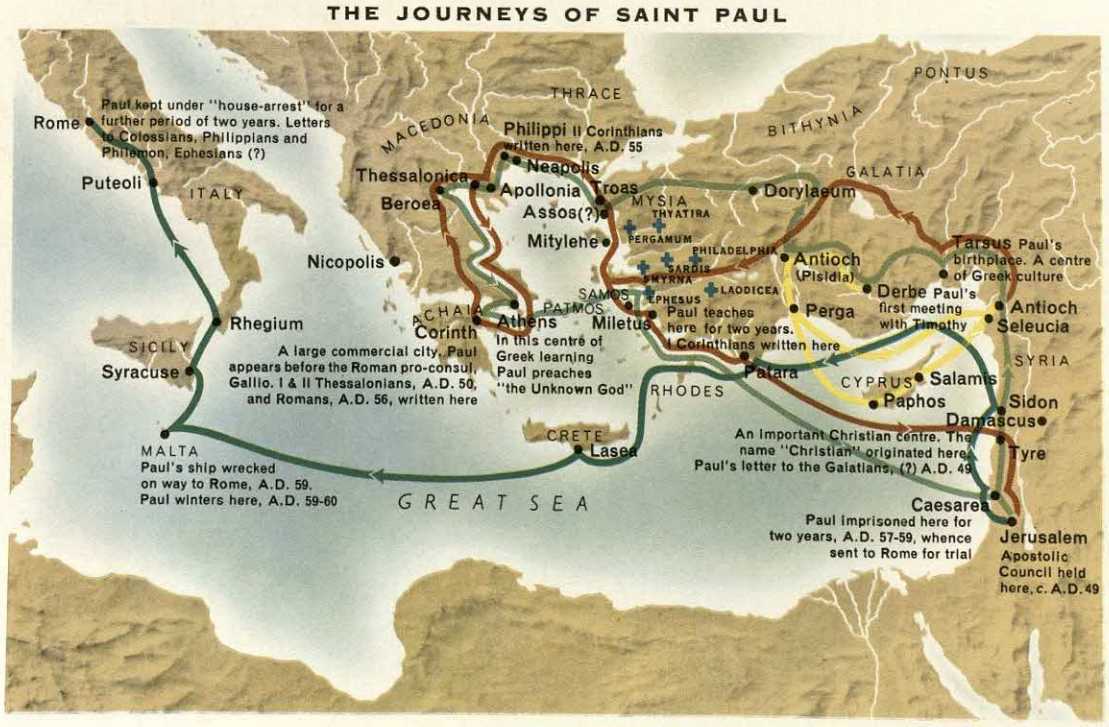
Assyrian invasions under Tiglath-Pileser III (745 B.C.), Sargon II (fall of Samaria, 721 B.C.), and Sennacherib (701 B.C. Siege of Jerusalem)

597 B.C. Siege of Jerusalem by Nebuchadrezzar and first deportation of Jews to Babylon. 586 B.C. Fall of Jerusalem and second deportation

198 B.C. Palestine falls to the Seleucidae. Rebellion of Jews under Judas Maccabaeus, 166 B.C., against Antiochus IV of Antioch

63 B.C. Pompey occupies Jerusalem. Thereafter Palestine becomes part of Roman province of Syria

THE JOURNEYS OF SAINT PAUL



The first missionary journey to Cyprus and southern Asia Minor. Paul is accompanied by Barnabas and John Mark as far as Perga in Pamphylia. Paul's method was to address the local Jews first, whose reaction was invariably hostile. Thereupon he would turn to the Gentiles

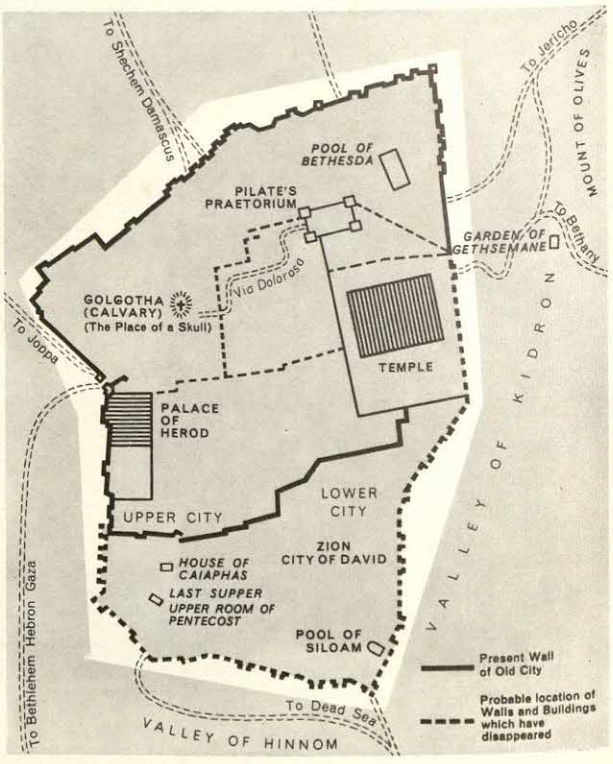
The second missionary journey with Silas through Asia Minor and Greece. This seems to have lasted some years, and included a two years stay at Corinth

The third missionary journey took Paul through Asia Minor and Greece again. He remained two years at Ephesus, finally going up to Jerusalem in A.D. 56

Paul's journey to Rome, where he was kept in confinement in his own house for two more years. But the apostle seems finally to have been acquitted

The seven churches of Asia Minor

PLAN OF JERUSALEM



The sitings of the scene of the Last Supper and the Upper Room of Pentecost, the House of Caiaphas, the Way of the Cross (Via Dolorosa) and the Garden of Gethsemane are traditional only.

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PALESTINE IN THE TIME OF JESUS

MT. HERMON

Tyre

Caesarea Philippi Scene of Peter's confession of faith, in recognition of which Jesus promised him "the keys of the Kingdom of Heaven"

ITURAEA

PHOENICIA

GREAT SEA

(Mediterranean Sea)

Ptolemais Formerly Acco. Renamed by Ptolemy Philadelphus

Chorazin A town cursed by Jesus for its unbelief

Capernaum Here Jesus performed many miracles and preached in the synagogue

Beth-saida Home of Andrew, Peter and Philip

LAKE OF GENNESARET (Sea of Galilee)

GALILEE

Tiberias Founded by Herod Antipas, A.D. 17-22

Hippos

Cana Scene of Jesus' first recorded miracle

MT. CARMEL

Nazareth Home of Joseph and Mary

MT. TABOR

Abila

Gadara

Nain Here Jesus brought to life the widow's son

Dora

Megiddo

Plain of Esdraelon

DECAPOLIS

Caesarea Important centre of early Christianity. Built by Herod

Scythopolis

Pella Thither Christians said to have fled before the siege of Jerusalem

Aenon (Nr. Salim) John the Baptist baptized here

Plain of Sharon

Sebaste (Samaria) Rebuilt by Herod the Great

SAMARIA

Gerasa

MT. GERIZIM Site of Samaritan temple destroyed by John Hyrcanus, 128 B.C.

Sychar Jacob's Well

Antipatris

Alexandrium

Jordan

Joppa

Arimathea Home of Joseph, a member of the Sanhedrin

Ephraim

PERAEA

Lydda

Philadelphia

Jamnia

Emmaus Scene of appearance of the Risen Christ

Jericho Scene of healing by Jesus of blind Bartimaeus. Mentioned also in Parable of Good Samaritan

Bethany (or Bethabara) Where John baptized

Jerusalem Capital of Judaea Sacked by Romans, A.D. 70

Azotus

Bethany Home of Lazarus and his sisters, Martha and Mary

Kh. Qumran Essene centre. MS. scrolls discovered near here, A.D. 1947

Bethlehem Birthplace of Jesus

Herodium

Ashkelon

JUDAEA

SALT SEA (Dead Sea)

Machaerus Fortress built by Herod. Scene, according to Josephus, of the Baptist's beheading

Hebron

Gaza

Beer-sheba

IDUMAEA

THE GREAT EXPLORATIONS

As cold waters to a thirsty soul,
so is good news from a far country—PROVERBS 25

ONLY a small proportion of the world remains to be explored, for man has always been a wanderer and a searcher for new things.

As early as 700 B.C. Phoenician and Carthaginian traders were seeking fresh lands in the Mediterranean and beyond for their merchandise. About 470 B.C. Hanno, the Carthaginian, sailed with a large fleet as far as Sierra Leone, bringing back tales of gorillas and of a "land of fire". (This was probably on account of the grass fires lighted before the rains in many parts of Africa.)

In 330 B.C. the Greek, Pytheas, sailed round Britain and into the North Sea, but more important than his journey for those who were to come after him was his discovery of a means of calculating latitude.

The most important exploration of this period was made by Alexander the Great in the years 330–323 B.C., when, accompanied by land surveyors and scribes to record details of the countries through which he passed, he marched his armies through Persia to India, and, like a true explorer, returned by a different route.

In the Second and First Centuries B.C. the Romans, in the expansion of their Empire, penetrated up the Nile, as far north as the Baltic, and westwards across Europe.

Westward exploration was extended by the Norsemen, first by their discovery of Iceland about A.D. 867, then Greenland in A.D. 982, and finally by their reaching the mainland of North America about four years later.

At about the same time the Arabs were voyaging far afield in the Indian Ocean, ranging from Spain to China, and as far south as Madagascar. Their greatest traveller was Ibn Batuta, who visited every Moslem country in a remarkable series of journeys that lasted almost thirty years. Buddhist missionaries, passing to and fro from India to China across the deserts of Takla-Makan and Gobi, had come across what came to be known as the Jade Route, along which for centuries traders carried jade from the Himalayas to China in exchange for silk.

In the same period envoys were sent by the Pope to the Great Khan of the Mongol Empire, and thus opened up the way for the Polos, father and son—Venetian jewel merchants and the most famous land travellers of the age—who journeyed twice across Asia.

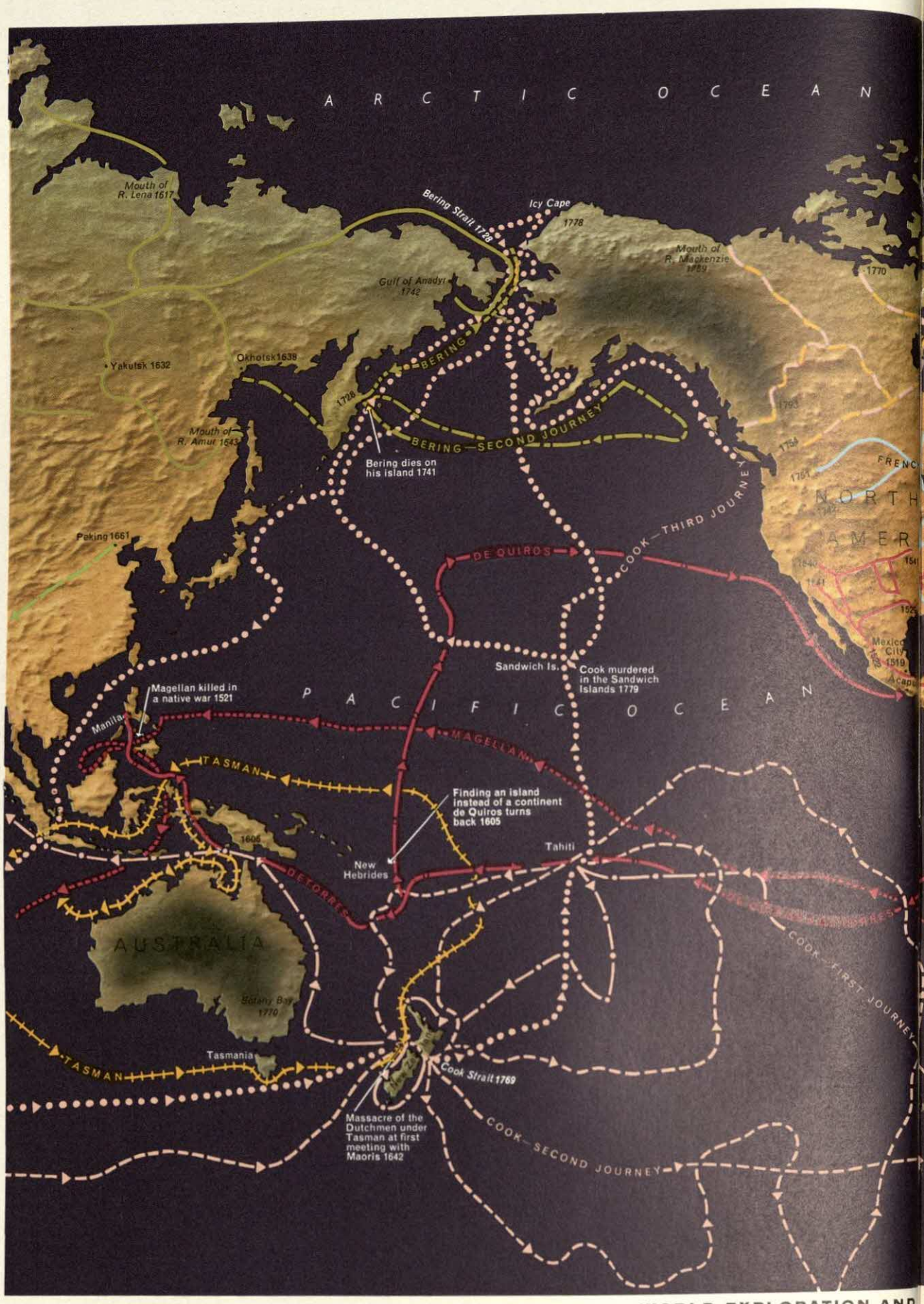
Meanwhile, ship-building and navigation in Europe had considerably advanced and more extended voyages were possible. By A.D. 1487 the Portuguese had coasted down Africa, and in that year the Cape of Good Hope was rounded by Bartholomew Diaz. Thus opened the Great Age of Discovery, and in thirty years all the unknown oceans were crossed—Columbus reaching America in 1492, Vasco da Gama reaching India in 1498, and Magellan sailing across the Pacific and round the whole world in 1521.

Following on the heels of Columbus, the Portuguese spread down through Brazil, and the Spaniards endeavoured to cross the continent that lay between them and the riches of the East. In A.D. 1513 Balbao crossed the Isthmus of Panama, and a few years later Cortez conquered Mexico, and by 1540 the Spaniards had reached the Gulf of California. The English and the French gained footings in North America, and, with the Dutch, began to seek a North-West Passage in the Arctic as a route to China. By A.D. 1650 the existence of all the continents except Antarctica had been proved.

THEN followed the Age of Scientific Discovery, when expeditions by land and sea had exploration for knowledge as their aim. The greatest leader of such an expedition was Captain Cook who, in only three great voyages, explored Australia and New Zealand, circumnavigated Antarctica, and sailed through the Bering Strait. Exploration by land was slower, and it was not until the Nineteenth Century that English and American expeditions crossed North America, and South America was fully penetrated.

Africa was the last major continent to be crossed. Serious exploration was begun in 1795 by Mungo Park in West Africa, and thirty years later the Lander brothers found the mouth of the River Niger. In 1849, David Livingstone, who usually travelled alone and was perhaps the greatest land explorer ever known, began his journeys in Southern and Central Africa: his work was continued after his death by his friend, Stanley.

Major interest was then centred round the north and south Polar regions. In 1909 the American, Peary, was the first to reach the North Pole, and in 1958 the American submarine *Nautilus* travelled *beneath* it. In 1911 the Norwegian, Amundsen, was the first to reach the South Pole, followed a month later by the Englishman, Scott; and in 1955–58, Sir Vivian Fuchs led a British Commonwealth expedition which crossed the Antarctic continent from the Weddell Sea to the Ross Sea.



WORLD EXPLORATION AND

SPANISH EXPLORERS
- CHRISTOPHER COLUMBUS 1492-1493
- FERDINAND MAGELLAN 1519-1522
- PEDRO FERNANDES DE QUIROS & LUIS VAEZ DE TORRES 1605-1606

PORTUGUESE EXPLORERS
- VASCO DA GAMA 1497-1499

PAPAL EXPLORERS
- JOHN GRUEBER & ALBERT D'ORVILLE 1661-1664

THE WORLD AS KNOWN IN 1490

- SILK & JADE ROUTE
- NORSEMEN C. A.D. 1000
- WILLIAM OF RUBRUCK 1252-1255
- MARCO POLO 1271-1295
- IBN BATUTA 1324-1355
- PORTUGUESE 1420-1487

DISCOVERY BETWEEN 1492 AND 1780

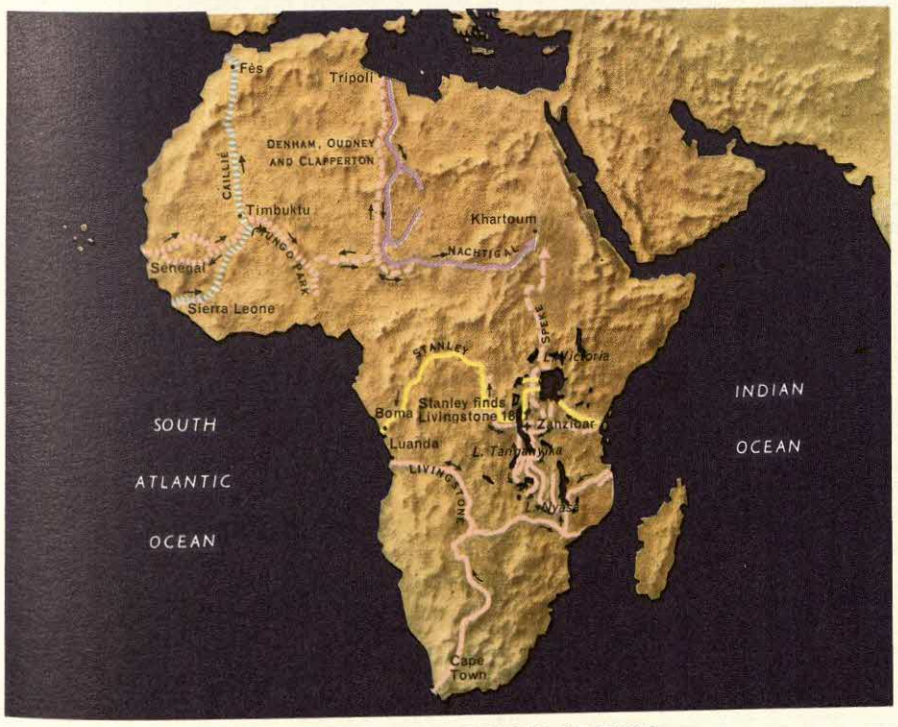
ENGLISH EXPLORERS
- JAMES COOK—FIRST JOURNEY 1768-1771
- JAMES COOK—SECOND JOURNEY 1772-1775
- JAMES COOK—THIRD JOURNEY 1776-1780

DUTCH EXPLORERS
- WILLIAM BARENTZ 1594-1597
- ABEL TASMAN 1642-1644

DUTCH & ENGLISH EXPLORERS

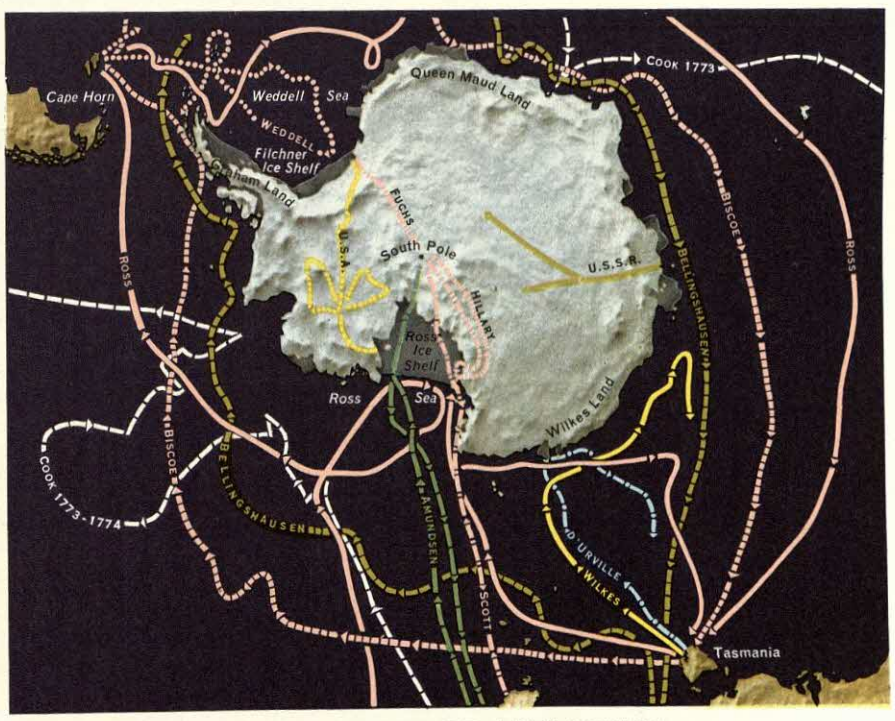
FRENCH EXPLORERS

RUSSIAN EXPLORERS
- VITUS BERING—FIRST JOURNEY 1728-1729
- VITUS BERING—SECOND JOURNEY 1741



THE OPENING UP OF AFRICA

- MUNGO PARK 1795-1797; 1805-1806
- DENHAM, OUDNEY AND CLAPPERTON 1822-1824
- RENÉ CAILLIÉ 1827-1828
- LIVINGSTONE 1849-1856; 1858-1864; 1866-1873
- SPEKE WITH BURTON 1857-1859
- SPEKE WITH GRANT 1860-1863
- NACHTIGAL 1869-1874
- STANLEY 1874-1877



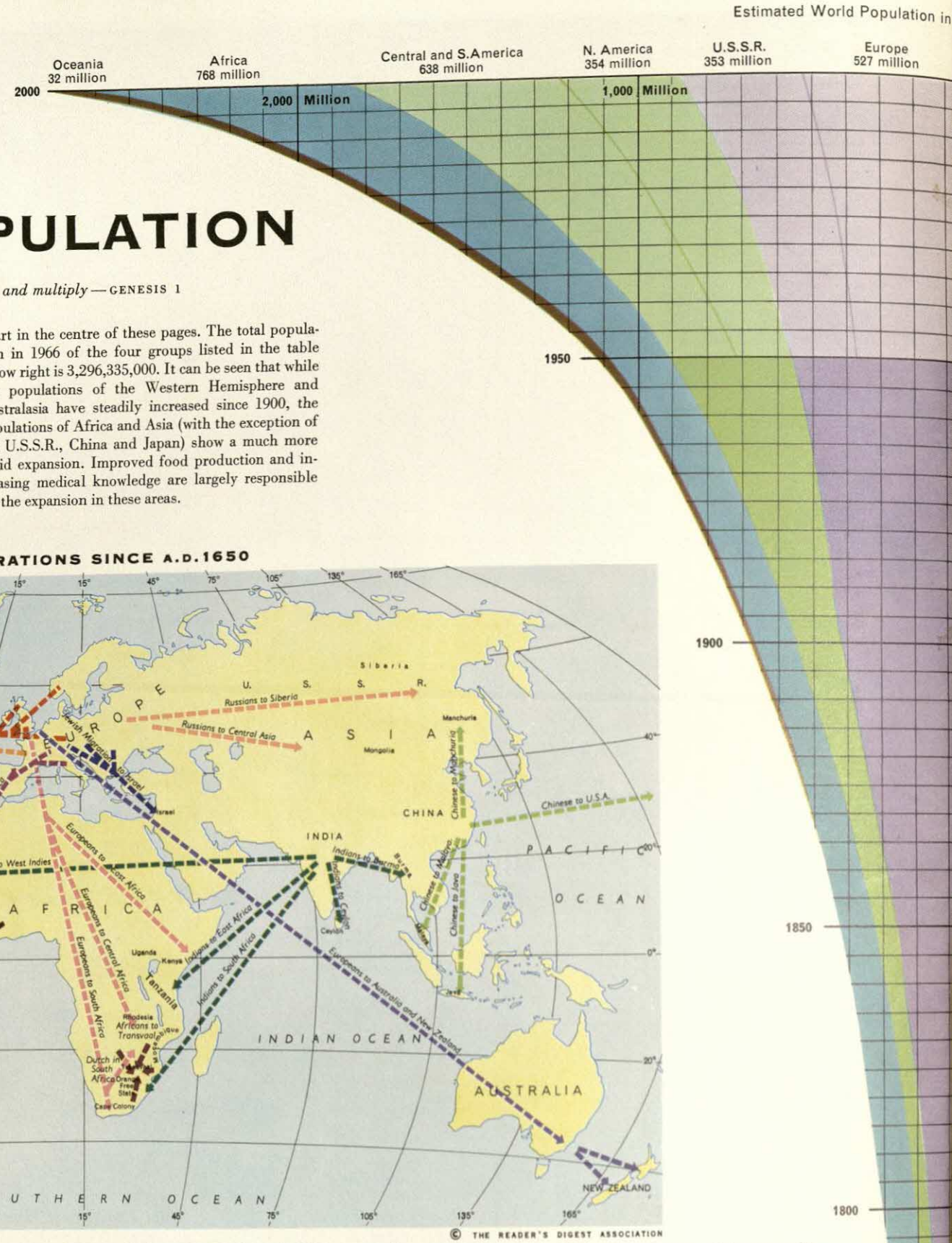
EXPLORATION OF ANTARCTICA

- BELLINGSHAUSEN 1819-1822
- BISCOE 1831-1832
- WEDDELL 1822-1823
- DUMONT D'URVILLE 1840
- WILKES 1840
- ROSS 1840-1843
- AMUNDSEN 1911-1912
- SCOTT 1910-1913
- FUCHS 1955-1958
- HILLARY 1957-1958
- U.S.A. 1957-1960
- U.S.S.R. 1957-1960

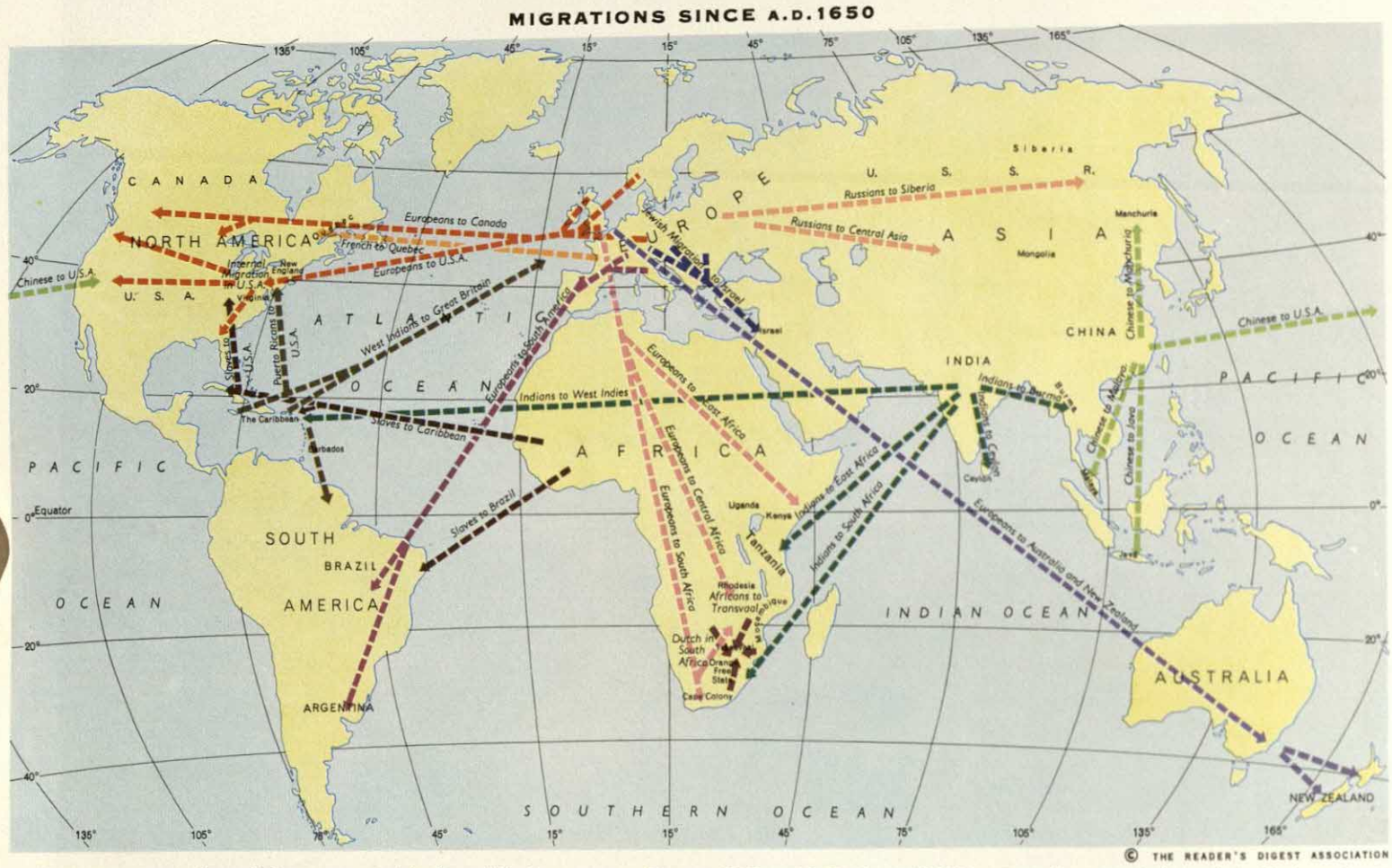
WORLD POPULATION

And God said unto them, Be fruitful, and multiply — GENESIS 1

In the middle of the 1800's the world's population was estimated to be 1,000 million; by the mid 1920's, less than a century later, the population had doubled; and in 1963 it had reached 3,000 million. After carefully considering the rates of birth, maternal and infant mortality, and the expectation of life in every country, the United Nations forecast that by A.D. 2000 the figure will have increased to over 6,000 million and that it may reach nearly 7,000 million. The phenomenal expansion is shown on the chart in the centre of these pages. The total population in 1966 of the four groups listed in the table below right is 3,296,335,000. It can be seen that while the populations of the Western Hemisphere and Australasia have steadily increased since 1900, the populations of Africa and Asia (with the exception of the U.S.S.R., China and Japan) show a much more rapid expansion. Improved food production and increasing medical knowledge are largely responsible for the expansion in these areas.



MIGRATIONS SINCE A.D. 1650



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Movements of populations occur mainly for political, religious and economic reasons. The more important migrations of the past three hundred years are shown.

Europeans to U.S.A. During the 17th century about 500,000 people emigrated from Great Britain to settle in New England (*Mayflower* 1620), Virginia and Maryland (though some settled in the West Indies, mostly in Barbados), to be followed in the 18th century by three times that number (mainly Irish and Scots). In the 19th century the number further increased, and was added to by German, Austro-Hungarian and Italian immigrants. From 1900 to 1920 a total of 14,500,000 from many countries were admitted (1,042,000 in 1907—a peak for any one year). In the next 30 years only 5,500,000 were admitted, but during the years 1951-9 the rate of immigration increased to a total of 2,250,000. In the following six years the number of immigrants from Europe alone was 750,000.

Europeans to Canada During the 17th century Quebec Province was settled by the French, but later the majority of immigrants came from Great Britain. Until 1900 settlement was slow, but from 1900 to 1920 about 2,250,000 people entered the country, followed by 1,500,000 in the next 30 years. Thereafter immigration greatly increased, over 2,000,000 Europeans settling in Canada in 1951-67.

Europeans to South America South America has always mainly attracted the Spanish, Portuguese and Italians, Argentina and Brazil being their principal goals. Immigration was slow until the 1890's, but reached its peak before 1914. Between 1900 and 1920 about 3,000,000 people settled in Argentina, and about 1,500,000 in Brazil.

The Slave Trade Traffic in slaves from West Africa began in the 16th century, reaching its peak in the late 18th and early 19th centuries. About 20,000,000 slaves were taken mainly to the tobacco, sugar and coffee plantations of the Caribbean and Brazil. Many of them moved on to the cotton fields of the southern states of what is now the U.S.A.

Europeans to Australia and New Zealand The first white people settled in Australia in 1788, but immigration was slow until the period of the Gold Rush between 1850 and 1860. After 1860 it slowed down again until the turn of the century. Between 1901 and 1920 about 400,000 emigrated to Australia, mostly from the United Kingdom, but in the twenty years from 1945 over 2,500,000 settled in Australia, about half of whom were British. Emigration to New Zealand has followed much the same pattern, but on a smaller scale.

French to Algeria French traders became established in Algeria in the 16th century. In 1842 the country became a French colony, although Algiers had been captured in 1830. By 1848 government-sponsored settlers totalled 40,000, and in 1881 northern Algeria became a province of France. Settlement continued until the unrest preceeding independence in 1963; then about four-fifths of the French population left for metropolitan France.

Europeans to Central and East Africa Few Europeans settled in Rhodesia before the discovery of the diamond deposits in 1880, development of which began in 1889 when Cecil Rhodes financed the trek to Salisbury. By 1960 nearly 300,000 had settled in Zambia and Rhodesia. East Africa was largely settled through official encouragement from 1906 onwards.

Dutch in South Africa The first Europeans to settle in the Cape were the Dutch in 1652. Emigrants from the British Isles did not arrive in any numbers until the late 18th century. In 1836 Dutch farmers (Boers) began their revolt against British rule in Cape Colony and made the Great Trek across the Orange River, to found the Orange Free State and the Transvaal. During the next ten years probably 14,000 Boers moved northwards. In the early 20th century there were mass movements of Africans (mostly from Moçambique, Basutoland, Bechuanaland and Nyasaland) to the Transvaal, especially to industrial Johannesburg.

Chinese to Other Parts of Asia From the middle of the 19th century the Chinese migrated in large numbers, mainly to Malaya, Indonesia, Burma and Ceylon. In 1948 there were 9,500,000 abroad, mostly in Asia, though over 200,000 were in the U.S.A. In the 1920's there were mass movements to Manchuria, Mongolia and Asiatic Russia.

Internal Migration in the U.S.S.R. Since 1918 great movements of European Russians to the east of the Urals have taken place. The Second World War accelerated industrial growth beyond the Urals, and a feature of the recent Five Year Plans has been the movement to and the settling of people in Kazakhstan and farther east.

Indians to Malaya and Africa In the mid 19th century Indians migrated to Ceylon, Burma and Malaya, Mauritius, Natal, East Africa and the West Indies. These migrations have continued on a small scale in the 20th century.

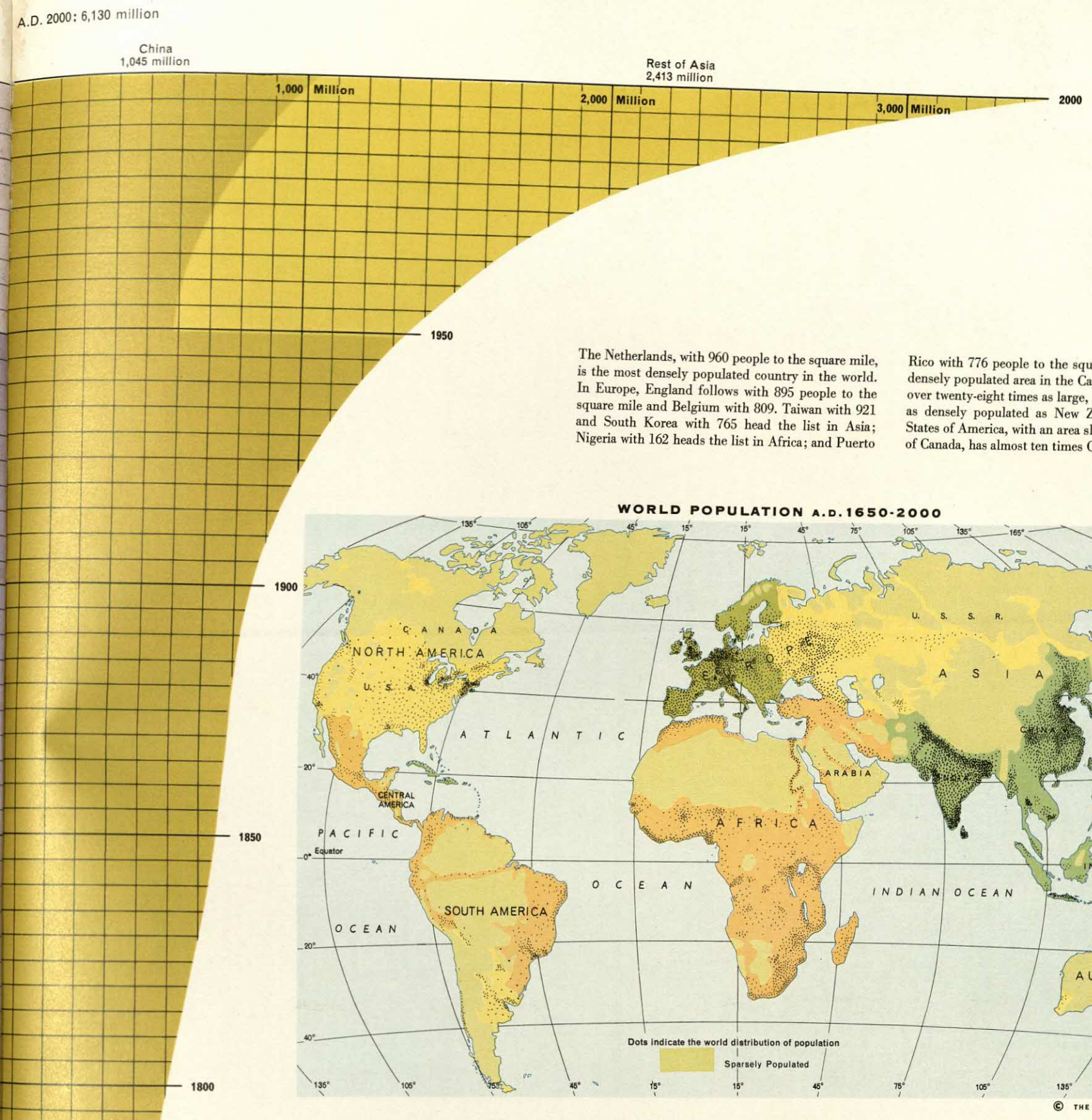
Migration between India and Pakistan After the 1947 partition of the former Indian Empire into India (Hindu majority) and Pakistan (Moslem majority) large religious minorities were left on either side of the border. Between 1947 and 1949 about 10,000,000 people were resettled.

Internal Migration in the U.S.A. From the end of the 18th century, when pioneers started the movement westwards, migration to the west has continued, as well as movement from the Atlantic seaboard to the south. In the fifteen years 1950-65 the population of California increased 75 per cent and that of Florida by over 100 per cent compared with a 23 per cent increase in the remainder of the U.S.A. Many negroes have moved north from the southern states; Puerto Ricans have settled in cities in the eastern states.

Jewish Migration Intermittent migrations of Jews from many countries into Palestine took place after the First World War, but since the formation of the State of Israel in 1948 many European Jews have been admitted. In 1949 over 239,000 settled in Israel, to be followed in the next fifteen years by nearly 900,000.

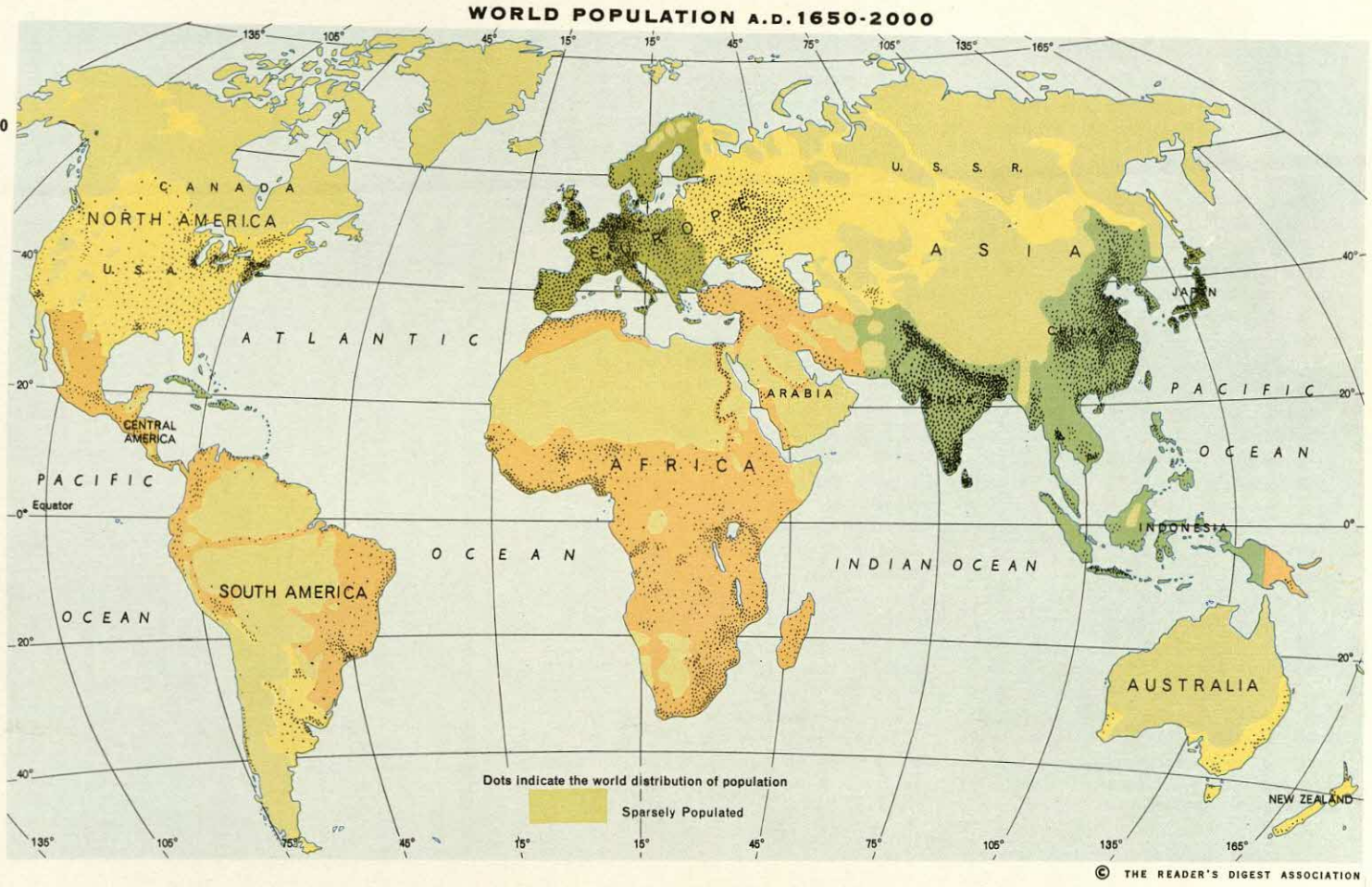
Internal Migration in Europe The Second World War left millions of displaced persons in Central Europe, who came mainly from Poland, Russia, the Baltic States, Hungary and the Balkans. Although the problem of resettlement was largely solved by 1951, it was not ended until the early 1960's.

Commonwealth to Great Britain In the 1950's increasing numbers of West Indians were attracted to Great Britain by better prospects of employment than at home. In the ten years 1951-60 the total number of immigrants was 175,000. In each of the three years following the Commonwealth Immigration Act, 1962, an average of 11,500 West Indians and 28,000 Indians and Pakistanis settled in Britain.



The Netherlands, with 960 people to the square mile, is the most densely populated country in the world. In Europe, England follows with 895 people to the square mile and Belgium with 809. Taiwan with 921 and South Korea with 765 head the list in Asia; Nigeria with 162 heads the list in Africa; and Puerto Rico with 776 people to the square mile is the most densely populated area in the Caribbean. Australia is over twenty-eight times as large, but less than a sixth as densely populated as New Zealand; the United States of America, with an area slightly less than that of Canada, has almost ten times Canada's population.

WORLD POPULATION A.D. 1650-2000



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GROUP I

High Density — Moderate Growth

Year	Population	% increase over 1966	Persons per sq. mile
1966	547,127,000		276
2000	649,368,000	19%	328

GROUP II

High Density — Rapid Growth

Year	Population	% increase over 1966	Persons per sq. mile
1966	1,640,539,000		217
2000	3,167,088,000	93%	421

GROUP III

Low Density — Moderate Growth

Year	Population	% increase over 1965	Persons per sq. mile
1966	502,833,000		24
2000	792,034,000	57%	38

GROUP IV

Low Density — Rapid Growth

Year	Population	% increase over 1966	Persons per sq. mile
1966	605,836,000		32
2000	1,521,244,000	151%	82

The population growth forecasts for each group are quoted from the 1966 United Nations estimates, which divide the world into "more developed regions" (Groups I and III less New Guinea and the Pacific Islands) and "less developed regions". In most cases the larger countries in each group are listed with population figures for 1966. Groups have been selected according to broad population trends within the larger areas. For this reason population density and rate of growth will vary somewhat from country to country within each group

GROUP I

	Area in sq. miles	Population in thousands
Japan	142,719	98,865
Population per square mile—693		
Europe (excluding U.S.S.R.)		
Albania	11,096	1,914
Austria	32,374	7,290
Belgium	11,779	9,528
Bulgaria	42,796	8,258
Czechoslovakia	49,354	14,240
Denmark	16,619	4,797
Finland	130,119	4,639
France	212,974	49,440
German Dem. Rep.	41,634	17,067
German Fed. Rep.	95,913	59,676
Greece	50,944	8,612
Hungary	35,919	10,179
Republic of Ireland	27,135	2,881
Italy	116,286	51,859
Netherlands	12,978	12,455
Norway	125,198	3,753
Poland	120,664	31,698
Portugal	35,453	9,218
Rumania	91,699	19,143
Spain	194,883	31,871
Sweden	173,634	7,808
Switzerland	15,941	5,945
United Kingdom	94,207	54,965
Yugoslavia	98,766	19,756
Population per square mile—243		

GROUP II

	Area in sq. miles	Population in thousands
Caribbean		
Cuba	44,218	7,833
Dominican Republic	18,816	3,750
Haiti	10,714	4,485
Jamaica	4,232	1,839
Puerto Rico	3,435	2,668
Trinidad and Tobago	1,980	1,000
Population per square mile—259		
Central South Asia		
Afghanistan	250,000	15,909
Ceylon	25,332	11,500
India	1,229,215	483,000
Nepal	54,000	10,294
Pakistan	365,528	105,044
Population per square mile—325		
South-East Asia		
Burma	261,789	25,246
Cambodia	69,900	6,250
Indonesia	735,488	104,500
Laos	88,780	2,635
Malaysia	128,440	9,711
Philippines	115,830	33,477
Singapore	225	1,914
Thailand	198,455	31,500
North Viet Nam	61,293	19,000
South Viet Nam	65,948	16,543
Population per square mile—145		
East Asia		
China	3,691,502	700,000
Hong Kong	391	3,716
North Korea	46,540	12,100
South Korea	38,004	29,086
Taiwan	13,885	12,791
Population per square mile—200		

GROUP III

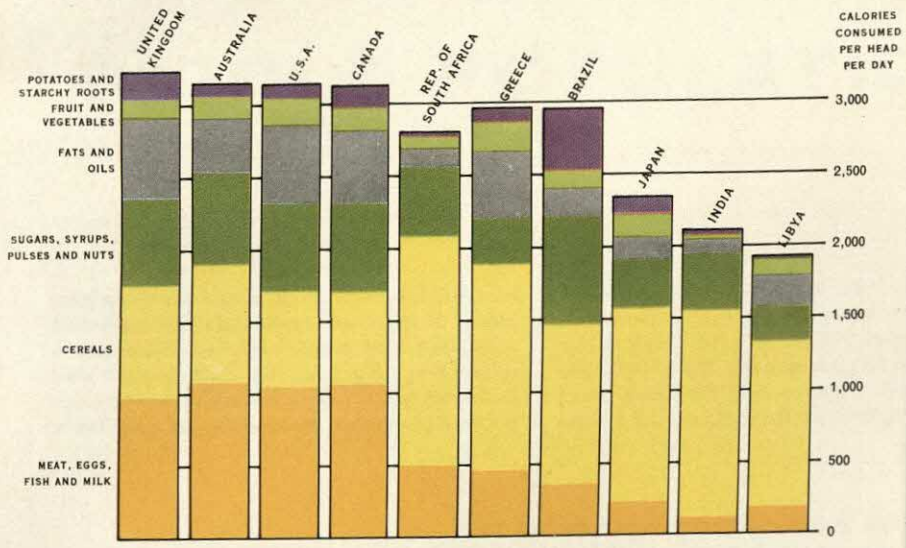
	Area in sq. miles	Population in thousands
North America		
Canada	3,851,809	19,919
United States of America	3,615,212	196,842
Population per square mile—29		
Temperate South America		
Argentina	1,072,646	22,691
Chile	286,397	8,591
Paraguay	157,047	2,094
Uruguay	72,172	2,749
Population per square mile—23		
Oceania		
Australia	2,971,081	11,541
New Guinea	93,003	1,582
New Zealand	103,736	2,676
Population per square mile—5		
U.S.S.R.	8,649,489	233,180
Population per square mile—27		

GROUP IV

	Area in sq. miles	Population in thousands
Africa		
Algeria	919,591	12,102
Angola	481,351	5,154
Burundi	10,747	3,274
Cameroon Rep.	183,568	5,229
Chad	495,750	3,361
Rep. of the Congo	905,380	15,986
Dahomey	43,483	2,410
Ethiopia	471,776	23,000
Ghana	92,100	7,945
Guinea	94,925	3,608
Ivory Coast	124,503	3,835
Kenya	224,960	9,643
Liberia	43,000	1,090
Libya	679,358	1,677
Mali	464,873	4,654
Malagasy Rep.	230,036	6,420
Malawi	49,066	4,042
Moçambique	302,227	6,956
Morocco	171,305	13,451
Niger	489,189	3,433
Nigeria	356,668	57,500
Rhodesia	150,333	4,400
Rwanda	10,169	3,110
Senegal	75,750	3,490
Sierra Leone	27,699	2,403
Somali Rep.	246,200	2,500
Rep. of South Africa	471,818	18,298
South-west Africa	325,608	574
Sudan	967,500	13,940
Tanzania	362,720	10,500
Tunisia	63,380	4,458
Uganda	93,981	7,740
United Arab Rep.	386,198	30,147
Upper Volta	95,444	4,955
Zambia	288,130	3,837
Population per square mile—30		
Central America		
Costa Rica	19,695	1,486
El Salvador	8,260	3,037
Guatemala	42,042	4,575
Honduras	43,277	2,363
Mexico	761,600	44,145
Nicaragua	57,143	1,655
Panama	28,575	1,287
Population per square mile—61		
Tropical South America		
Bolivia	424,163	3,748
Brazil	3,286,170	84,679
Colombia	455,355	18,068
Ecuador	104,506	5,326
Peru	496,222	12,012
Venezuela	352,143	9,030
Population per square mile—26		
South West Asia		
Iran	636,293	25,780
Iraq	173,259	8,338
Israel	7,992	2,629
Jordan	37,737	1,976
Lebanon	4,000	2,405
Saudi Arabia	869,803	6,750
Syria	71,210	5,300
Turkey	301,380	32,901
Yemen	75,391	4,925
Population per square mile—42		

WHAT THE WORLD IS EATING

There is nothing better for a man than that he should eat and drink — ECCLESIASTES 2



EVERY day the world has to find food for more than 3,000 million human beings, and this number is steadily increasing.

We need sufficient food to give us energy (carbohydrates) and to provide the materials from which our bodies can be built and maintained (proteins), but to ensure good health our diet must include foods which provide vitamins and minerals as well.

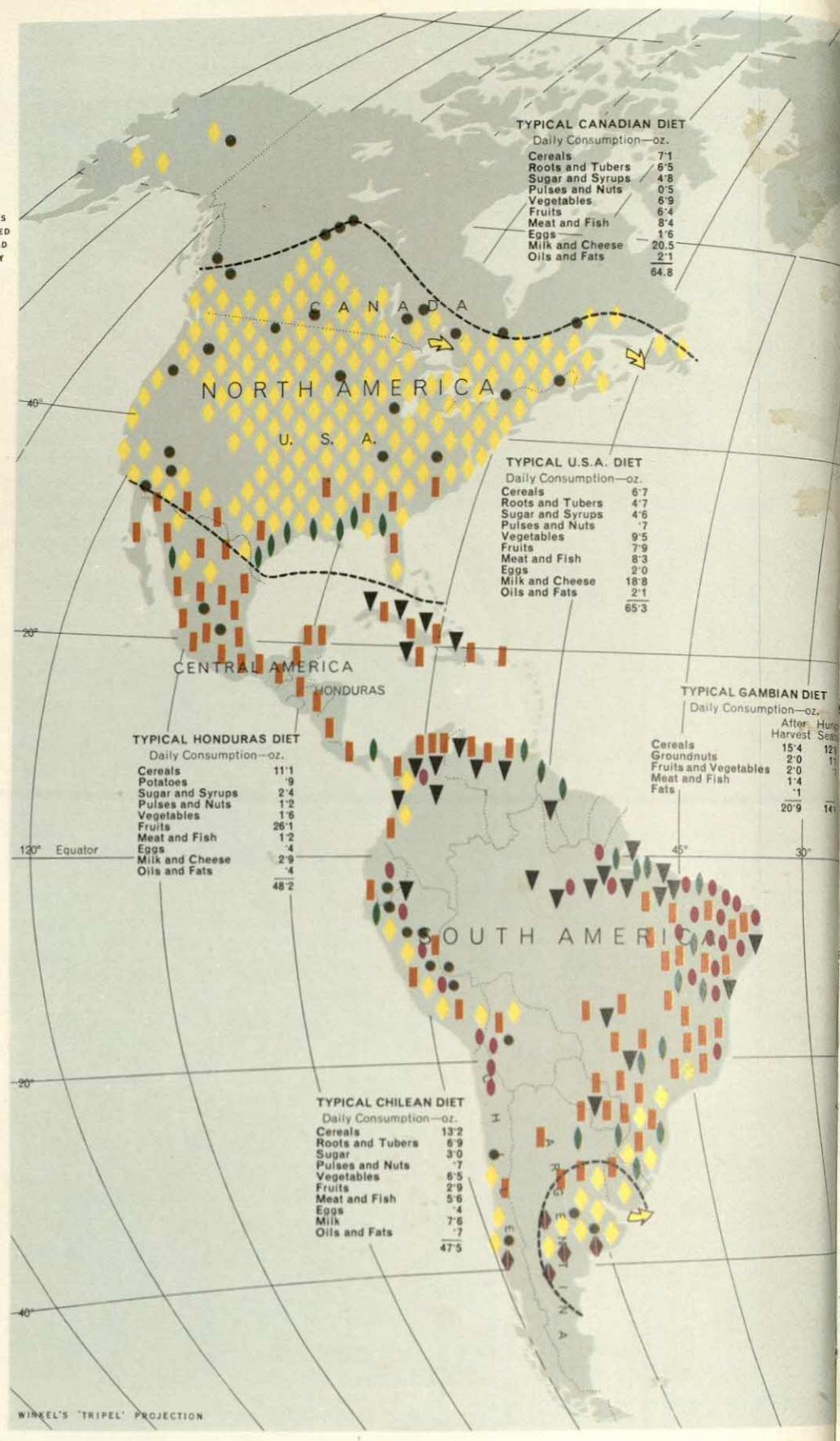
Carbohydrates are obtained chiefly from cereals (wheat, maize, rye, oats, barley, rice, sorghums and millets), from roots and tubers (potatoes, sweet potatoes, yams and cassava), and from sugar. Proteins are obtained from meat and fish, from pulses (dry beans, peas, broad beans, lentils and chick-peas), and from nuts, oil-seeds and oil-containing fruit. Vitamins and minerals are obtained from fresh fruit and vegetables. But milk, closely followed by eggs, is a complete food in itself.

For the calculation of food values, our food consumption is measured in terms of calories. A well-balanced daily diet may contain as many as 2,000 to 3,000 calories.

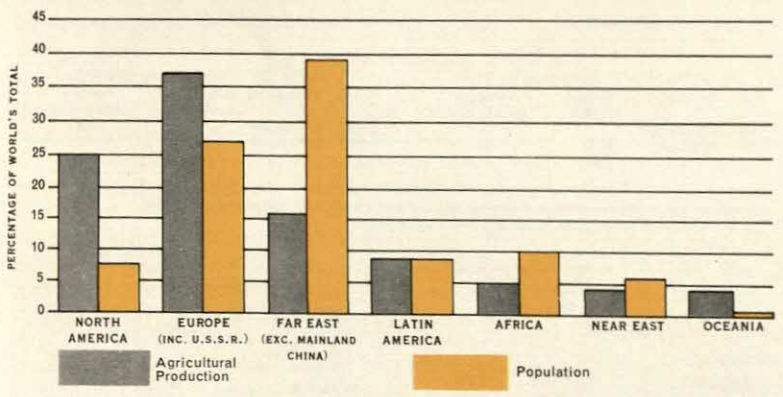
Many of the well-developed countries of Western Europe, North and South America, Australia and New Zealand are able to produce or purchase enough food to ensure that a well-balanced diet is available to all their people. But in many underdeveloped countries primitive methods of cultivation still exist so that the amount of food produced is scarcely enough to meet the minimum requirements of the community. A daily diet of 2,000 calories or less, composed mainly of carbohydrates with only a small proportion of the vital and expensive proteins, is the typical diet of millions of people in these areas—a diet deficient in quantity and quality, resulting in the serious undernourishment of two-thirds of the world's population.

Shortages of food, in terms of quantity and quality, are not the only causes of malnutrition. Religious taboos, local customs and prejudices, ignorance of elementary hygiene and of the value of certain local foodstuffs often deny whole communities an adequate and health-giving diet. In some parts of the world, through ignorance of simple sterilization methods, mothers refuse to give their babies fresh milk because of its bad effect on them in the unsterilized state. In Uganda, tribal people value milk so little that they prefer to live on millet and root crops. In many parts of Africa cattle and goats are regarded as a measure of wealth, so that meat is rarely consumed.

Much is being done today by education, by the spread of scientific and technical knowledge, by advancing industrialization and by a proper distribution of surplus foodstuffs, to improve and increase food supplies for the rapidly growing population of the world.



COMPARISON OF POPULATION AND AGRICULTURAL PRODUCTION



WHEAT

WHEAT, of which there are about 650 varieties, is the most important and widely grown of all cereal crops, and is chiefly milled into flour. Wheat products are rich in carbohydrates; the whole grain contains also proteins, fats, minerals and vitamins. It is therefore a major energy food, and highly nutritious. The hard varieties are used mainly for bread, the soft for cakes, biscuits, pastry. One hard species, durum, is manufactured into spaghetti, macaroni, semolina, etc. Flat (unleavened) bread is eaten in much of Africa and Asia. In India wheat is combined with fat and made into pancake-like wafers called *chappattis*. A small part of the world's wheat production is processed into malt, dextrose and alcohol.

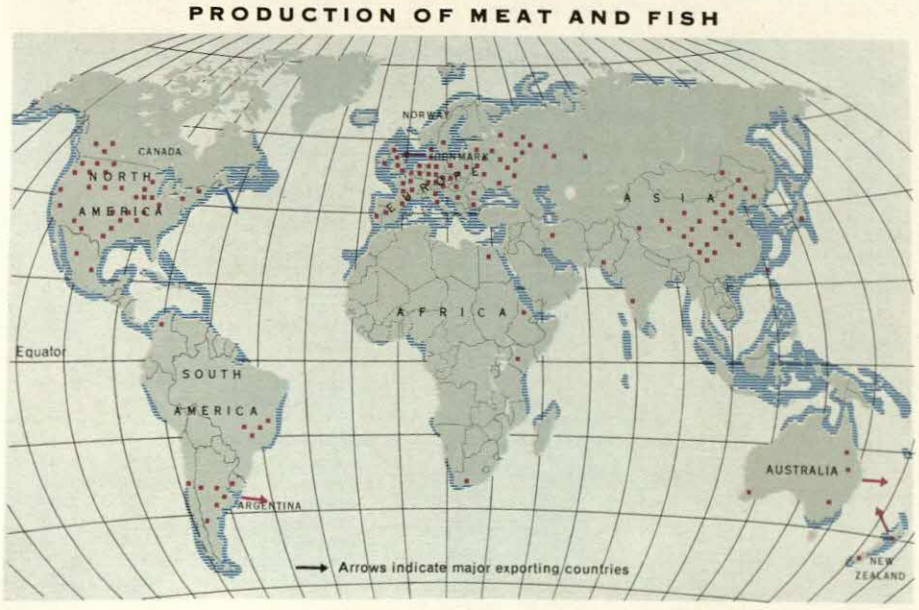
RYE, OATS, BARLEY

RYE is mainly produced in the poorer soils and wetter areas of the northern temperate regions, and is consumed largely in central and eastern European countries as "black" bread, which is very nutritious and more warmth-giving than other varieties of bread. OATS are hardy and also flourish in poorer soils. They have a high protein, fat and vitamin B content, and are principally used for breakfast foods, cakes, biscuits, etc.
BARLEY thrives in most temperate climates and even under subarctic and subtropical conditions. It is chiefly grown in Europe for the manufacture of beer, though in parts of Scotland and Scandinavia it is made into barley bread. It is the staple food grain of North Africa and parts of Asia, where it is eaten as flatbread, porridge and pearl barley.

MAIZE

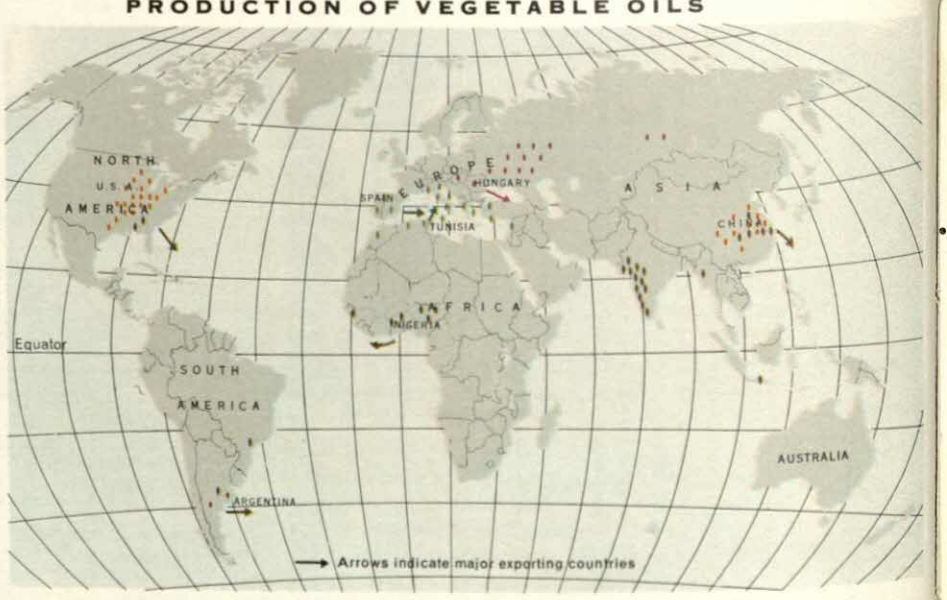
MAIZE (Indian corn), one of the most widely distributed food crops, although of great nutritive value, is not as nutritious as wheat. Sometimes the cob is roasted whole, but generally the grain is ground into meal and eaten as porridge, such as the "stirabout" of Ireland, or in cake form, such as the "johnny-cakes" of the U.S.A. It is eaten as a basic food in Mexico and in some parts of South America as *tortilla*, a flat pancake, often in conjunction with soups or fruit or vegetables such as sweet potatoes. In North America it is harvested early and eaten as "sweet corn". In northern Italy it is eaten as "polenta". Cornflour is prepared from maize by a process of washing. Maize is used industrially as corn-starch, corn-oil and alcohol.

PRODUCTION OF MEAT AND FISH



MEAT FISH

PRODUCTION OF VEGETABLE OILS



GROUND NUTS SOYA BEANS OLIVES SUNFLOWER SEEDS

TYPICAL UNITED KINGDOM DIET

Daily Consumption—oz.

Cereals	11·1
Potatoes	7·5
Sugar and Preserves	3·6
Vegetables (fresh and other)	5·5
Fruits	5·4
Meat and Fish	7·4
Eggs	1·4
Milk and Milk products	15·6
Fats	2·0
	59·5

TYPICAL JAPANESE DIET

Daily Consumption—oz.

Cereals	14·2
Roots and Tubers	4·6
Sugar and Syrups	1·2
Pulses, Seeds and Nuts	3·1
Vegetables	6·5
Fruits	1·5
Meat and Fish	2·2
Eggs	·3
Milk	1·2
Oils, Fats and Seaweeds	·3
	35·1

TYPICAL INDIAN DIET

Daily Consumption—oz.

Cereals	12·6
Roots and Tubers	1·1
Sugar	1·4
Pulses, Seeds and Nuts	2·8
Vegetables	1·7
Fruits	1·2
Meat and Fish	·4
Milk	4·0
Oils and Fats	·4
	25·6

ACTUAL DIET OF MALES IN VILLAGE WULGO, NORTH NIGERIA

Daily Consumption—oz.

Guinea Corn	36·3
Yams and Cowpeas	2·0
Okra, fresh and sun-dried (Seapods)	·8
Fish and Meat	2·2
Peppers and Eggs	·3
Milk	8·9
Nuts and Date preparations	·4
Imported Salt	·6
	51·5

TYPICAL SOUTH AFRICAN DIET

Daily Consumption—oz.

Cereals	14·7
Potatoes	1·6
Sugar and Syrups	3·9
Pulses, Nuts and Oilseeds	·3
Vegetables	3·8
Fruits	3·2
Meat and Fish	4·7
Eggs	·3
Milk and Cheese	7·0
Oils and Fats	·6
	40·1

TYPICAL AUSTRALIAN DIET

Daily Consumption—oz.

Cereals	8·9
Potatoes	4·4
Sugar and Syrup	5·3
Pulses and Nuts	·4
Vegetables	5·9
Fruits	7·0
Meat and Fish	11·3
Eggs	1·0
Milk and Cheese	13·8
Oils and Fats	1·8
	59.8

U. S. S. R.
EUROPE
ASIA
UNITED KINGDOM
JAPAN
CHINA
INDIA
ARABIA
BURMA
THAILAND
AFRICA
GAMBIA
NORTHERN NIGERIA
REPUBLIC OF SOUTH AFRICA
INDONESIA
AUSTRALIA
NEW ZEALAND
Equator
45° 90° 105° 135° 150° 40° 20°

AREAS OF WELL-BALANCED DIETS

© THE READER'S DIGEST ASSOCIATION

MILLETS AND SORGHUMS

MILLETS and SORGHUMS include a number of grain crops that respond to primitive methods of cultivation, and can withstand the drought and poor soil of some of the drier parts of the Tropics. The ear contains small round seeds which are pounded into flour, which is eaten as a gruel or porridge with a seasoned stew of vegetables, but rarely with meat. In West Africa it is made into balls of doughy paste (couscous). These balls, fried in palm or shea-nut oil are known as "beignets" or "galettes" and sold in the streets. In Northern China, millets and sorghums, as well as wheat, form the staple food. When grain is abundant, considerable quantities are brewed into beer; *pombe*, made from millet, is widely drunk in Africa. A variety of millet (prosbo)—eaten mainly as a thick porridge—is a staple food in the U.S.S.R.

RICE

There are more than 2,500 varieties of rice, more than 1,000 of them in India alone. Rice has a high energy value, though it is relatively poor nutritively. It yields more food per acre than any other grain and is widely grown and widely eaten in China, India, Japan, Burma, etc. It forms a major part of the food in these countries, where, on the whole, the diet is largely deficient in animal proteins. Among the higher income groups, the rice is always accompanied by meat and vegetables. It is commonly eaten with curry, which varies from the hot curries of India, Pakistan and Ceylon to the more subtle flavours of Malaysia and Indonesia. In China a favourite combination is with pork. The removal of its outer husk (polishing) deprives rice of much of its goodness. *Sake*, a popular and potent drink in Japan, *Arrak* in Java and *Chemshu* in China are all brewed from rice.

POTATOES

POTATOES, of which there are some 2,000 varieties, are grown in almost every country in the world, though they succeed best in the cooler regions. They contain carbohydrates, proteins, vitamins and mineral salts and are, therefore, a most valuable energy food. Among the white races they form an important part of every diet, and in some parts of Europe they are the staple food. They are generally eaten as a vegetable, but are also turned into flour and used for making bread, pastry and dumplings. Potatoes are also processed into starch and dextrose, and since the middle of the 19th century have replaced grain as a source of alcohol for commercial uses, particularly in Germany. Sweet potatoes are botanically quite different from ordinary potatoes and must be considered a tropical crop, although they have a similar food value.

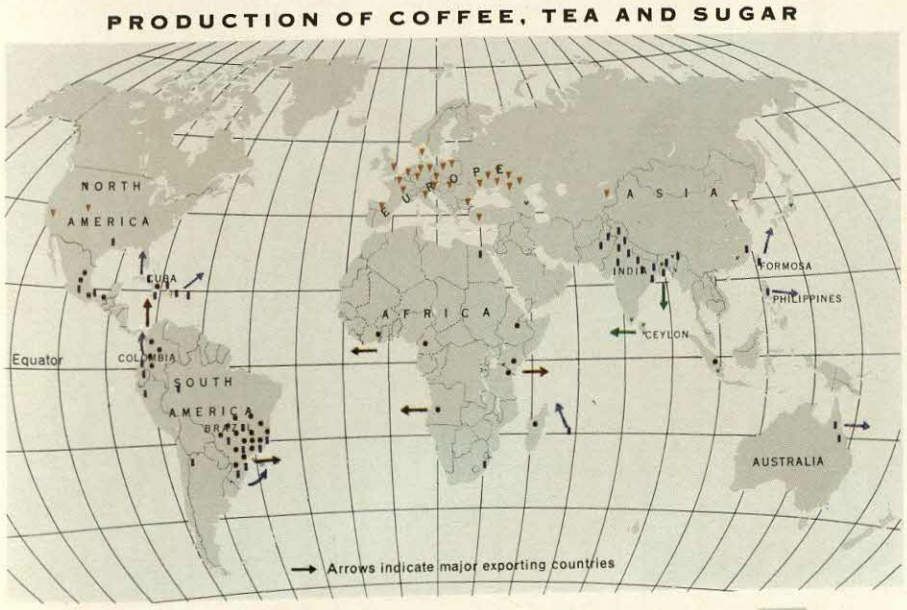
TROPICAL ROOT CROPS, BANANAS

Three of the principal root crops are CASSAVA (manioc), YAMS and SWEET POTATOES. They are grown mainly in west and central Africa, the Malay Archipelago, and Latin America. The root of *sweet* cassava can be cooked and eaten directly, but the root of *bitter* cassava must be soaked in water for a few days before cooking, to extract the prussic acid. The cooked cassava is usually pounded into flour or meal and eaten as a porridge, often accompanied by yams or other vegetables. Sweet potatoes (called yams in America) grow better in drier areas, with less than 50 inches of rain. Although not root crops, BANANAS and PLANTAINS form a staple food in many tropical countries. Bananas are eaten raw and also cooked as a vegetable. Plantains are similar to bananas but contain less sugar and are usually eaten cooked. All these crops are low in protein.

EXPORTS

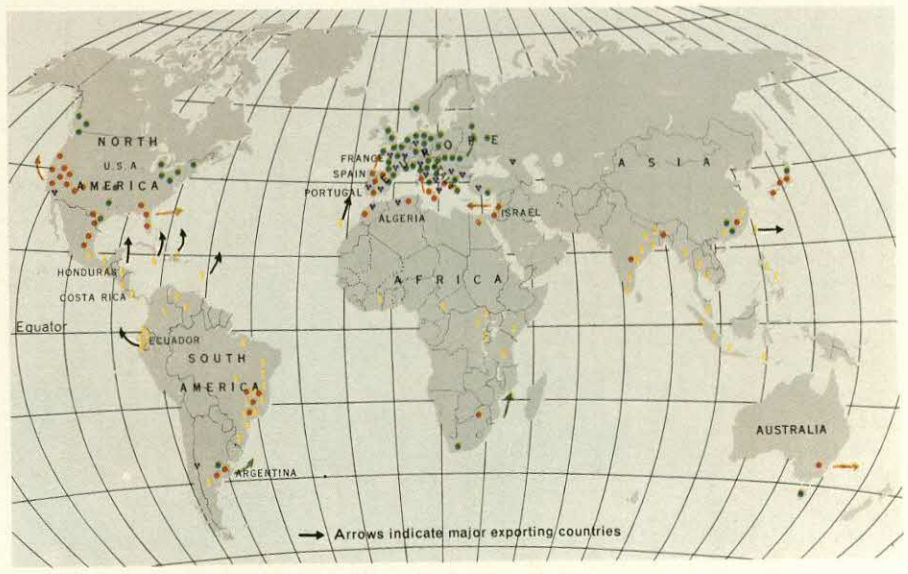
The arrows indicate those places from which the world's chief food cereals, wheat (yellow) and rice (brown) are exported. About 20 per cent of all the wheat produced is exported. Argentina exports one-third of her wheat production, mainly to Brazil, Peru and western Europe; Australia exports two-thirds and Canada one half, principally to Britain, China and Japan; the U.S.A. exports about half her production, mainly to India, Pakistan and Japan. The U.S.S.R. is an important exporter, but in bad harvest years she also becomes a large importer. In most years Britain is the world's largest single importer of wheat. Only about five per cent of the world's production of rice enters international trade, most of which is confined to south and south-east Asia—Burma and Thailand being the major exporters and Japan the largest importer.

PRODUCTION OF COFFEE, TEA AND SUGAR



BEET SUGAR · COFFEE · CANE SUGAR · TEA

PRODUCTION OF FRUIT



APPLES, PEARS AND PLUMS · BANANAS · CITRUS FRUITS · GRAPES

WORLD HEALTH

I pray that in all things thou mayest prosper and be in health —3 JOHN

HEALTH may be defined as the balanced relationship of the mind, the body and the external environment. The maps on these pages are concerned with certain significant aspects of health which are related primarily to the effects of environment, diet and climate.

Types of diseases vary with latitude and with the standard of living of the community. In the more advanced communities the major health problems are cancer, diseases of the heart and circulation, and nervous and mental disorders, most of which are associated with middle and old age.

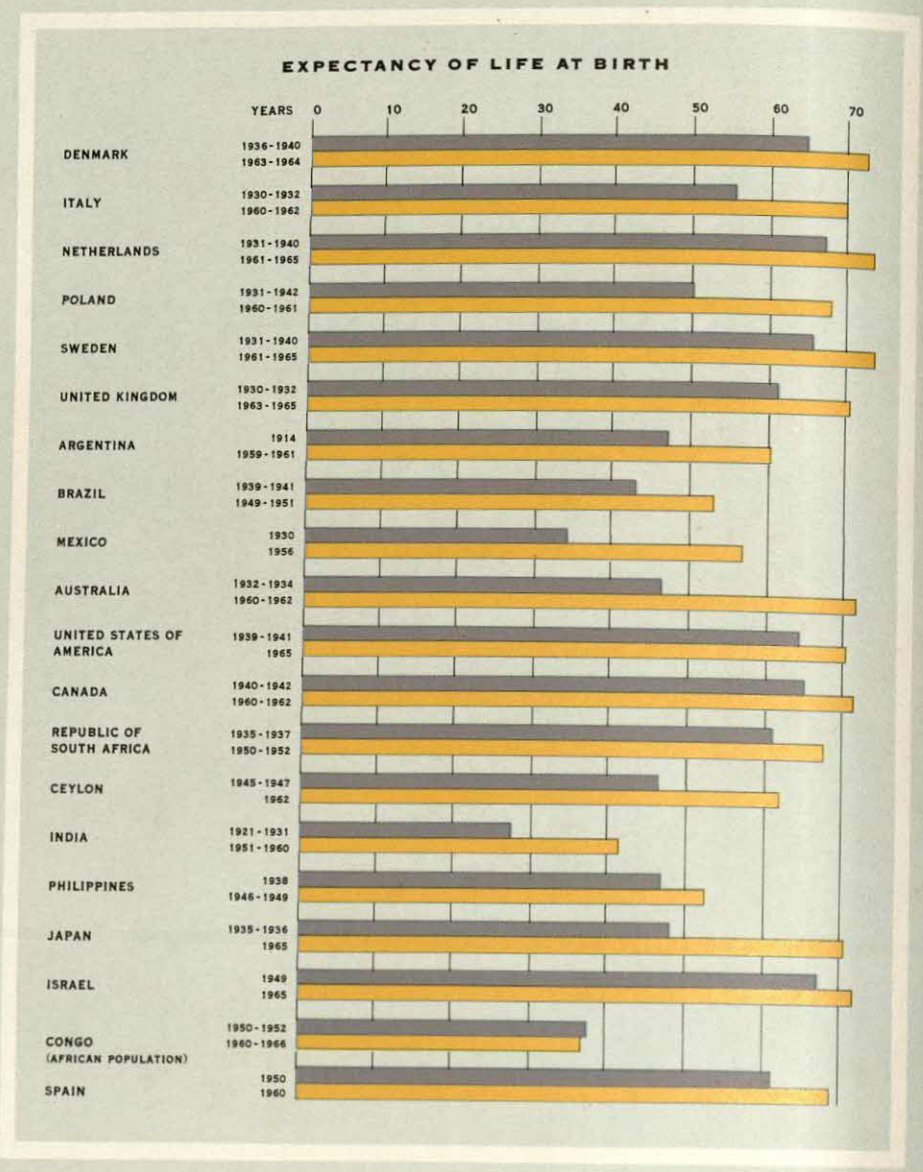
In tropical and near-tropical climates, where many of the under-developed countries are situated, infectious diseases account for the majority of deaths. The underlying causes can be found in poor hygiene and sanitation, in over-crowding and in dietary deficiencies. The very young are the most affected, and mortality in infancy and early childhood is high.

The sharp distinction which exists between the health of the peoples in advanced and under-developed countries can be seen in their expectation of life at birth, which is much lower in the under-developed countries.

It is in the under-developed regions that the population is generally increasing most rapidly, and where malnutrition and malaria are the world's most urgent health problems. The low standard of living results in inadequate supplies of food and, in particular, insufficient amounts of protein in the diet, which lead to deficiency diseases such as kwashiorkor, beriberi, pellagra, etc., and to the spread of infectious and parasitic diseases such as malaria, yellow fever, tuberculosis, cholera and bilharziasis.

Under the guidance of the United Nations Agencies (the World Health Organization, the Food and Agriculture Organization and the United Nations Children's Fund) these problems are being approached from many directions; in extending the production and consumption of cheap protein-rich foods; in the control of disease carriers such as the mosquito; in the development of preventive and curative medicine; and in improved sanitation and hygiene.

Government health organizations, often working in association with the United Nations Agencies, are actively concerned with these and many associated problems, such as the resistance to antibiotics and insecticides which some microbes, viruses, and insect and animal vectors have developed. Research into the use of new methods of prevention and control of the infectious diseases is being carried on. Mass campaigns for the eradication of yaws and smallpox and the control of leprosy and trachoma are in progress, and an international campaign against malaria is well advanced. The whole movement is towards the complete physical and mental well-being of man in every part of the world.



THE AREAS OF MALNUTRITION IN THE WORLD

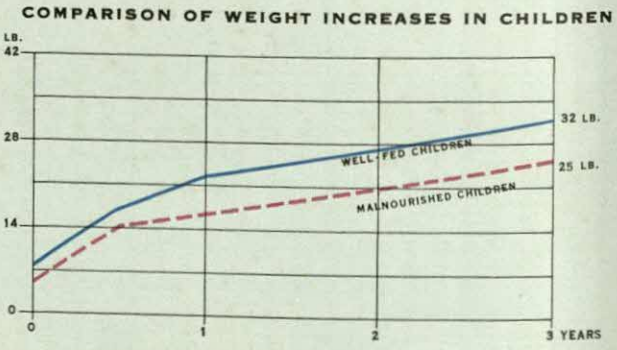
The map shows roughly the areas where ill-health and disease due to diet deficiency are most common and serious. Undernutrition and malnutrition occur where the food requirements of a population are greater than its capacity for obtaining them from its own land by agriculture or from the lands of other nations by trade, that is, in countries where the birth rate is high and industrial development is low. A satisfactory diet must supply enough calories and also fulfil the body's requirements for proteins, fats, minerals and vitamins. Proteins are of special importance. The amount of animal protein in a diet often gives a rough idea of its nutritive value and an indication of the general standard of living of the population concerned. In areas of malnutrition protein supplies are much lower than in a well-fed country, such as Great Britain. In many of these areas the population is expanding rapidly and includes large numbers of young children. A sufficient quantity of protein is particularly necessary during the early years of life when the body is growing most quickly. Protein deficiency is, therefore, one of the most serious of nutritional problems.

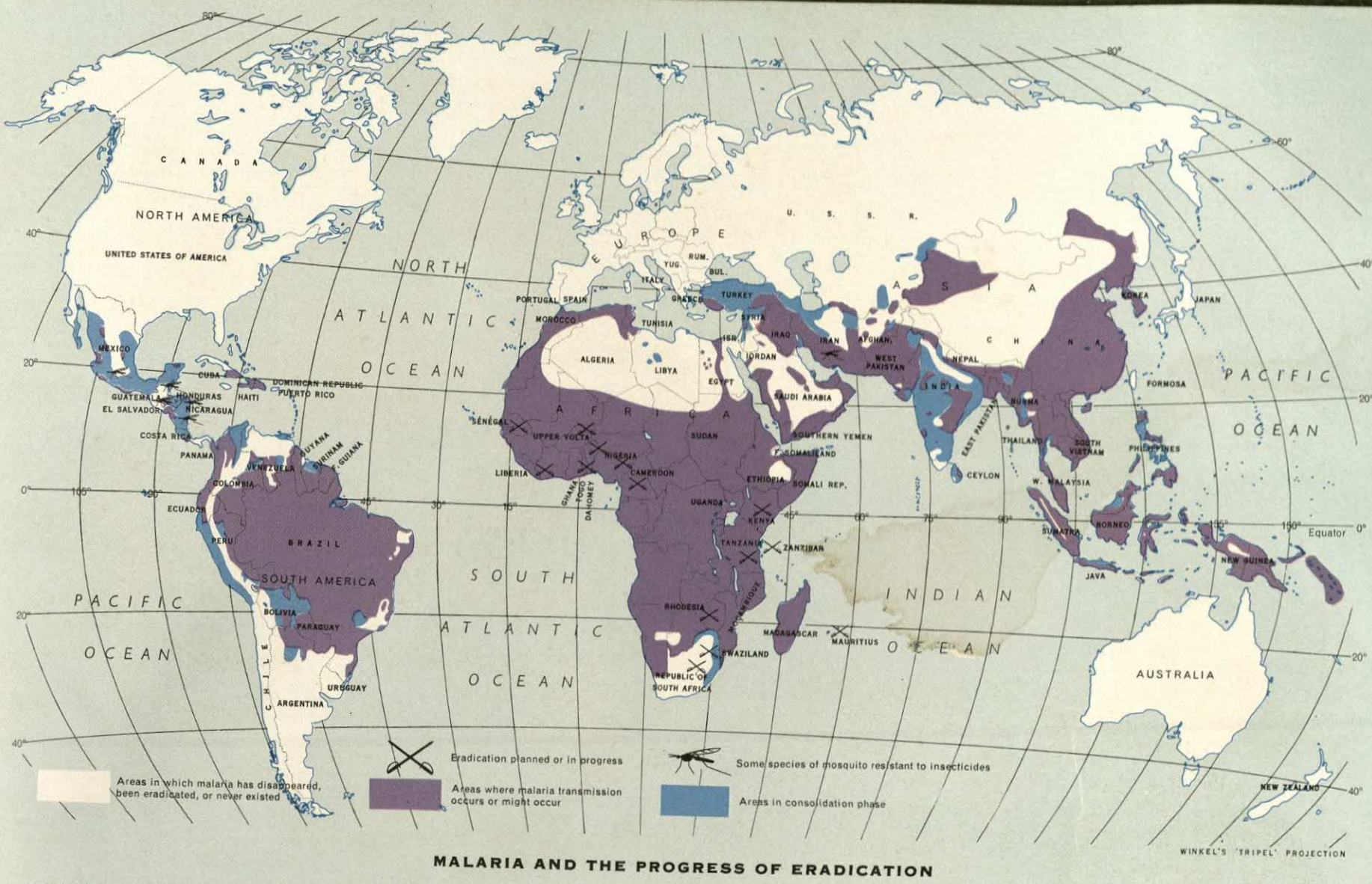
The chart compares the birth weights and rate of increase in weight in well-nourished and malnourished infants and young children. During the early months of life a child can obtain the calories and nutrients it needs from its mother's milk, but in the period following weaning, from 6 months to 4 years, "critical" years when a good diet is particularly essential, a child in areas of malnutrition must usually subsist on his share of the meagre diet, mainly cereals and starchy roots, on which his family depends.

The high death rates in this age group, for example 1 in 11 live births in India and 1 in 17 in Mexico, as compared with 1 in 322 in Britain, are largely due to deficiencies in diet; kwashiorkor is prevalent in areas of protein deficiency, and other deficiency conditions are found in association with poor cereal diets. The common infectious diseases, such as measles and dysentery, are more likely to be fatal in children suffering from malnutrition.

While malnutrition is most prevalent in young children and expectant and nursing mothers, other groups also suffer. An insufficient and unbalanced diet impairs the health of people of all ages and thus affects their working capacity, with the result that the progress of entire communities may be retarded.

COMPARISON OF WEIGHT INCREASES IN CHILDREN





MALARIA AND THE PROGRESS OF ERADICATION

Malaria is a constant threat to half the world's population. It is man's greatest single health problem. It kills one person in five, striking first at a country's most precious possession, its children. In tropical Africa alone, one in ten of all under-fours dies from its direct effects and many thousands more from its indirect effects, for malaria weakens the organism and makes it more susceptible to other diseases. Bilharziasis, cholera, leprosy, yaws, yellow fever and tuberculosis take a heavy toll of life in tropical countries, but none is as widespread, or as costly in its effects, as malaria.

Malaria stunts man's physical and mental growth, bringing chronic ill-health to millions; it impedes the economic and social progress of a country. Hundreds of millions of working days are lost each year through the sickness it causes; vast tracts of fertile land in Africa, Asia, South and Central America, have been abandoned or left uncultivated because of its ravages.

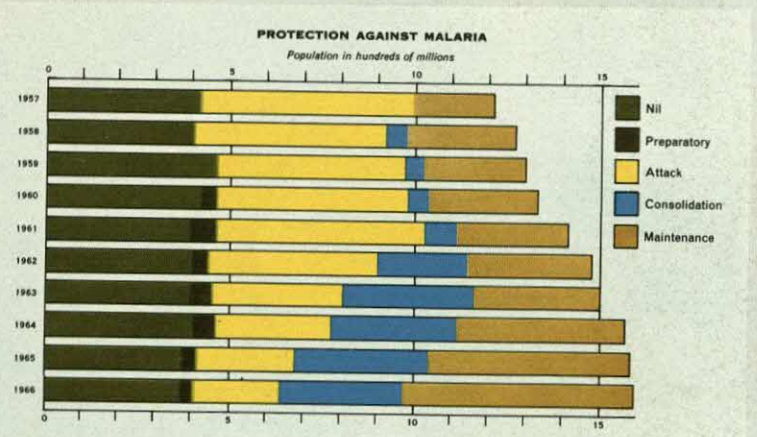
For centuries the only effective remedy against malaria was quinine. But in 1939, armed with the knowledge accumulated since the discovery in 1880 of the cause of malaria and its communication from one person to another through *Anopheles* mosquito bites, scientists concentrated on eliminating the mosquito. D.D.T. and other insecticides sprayed on the inside walls of dwellings, where the mosquitos rest after biting, killed the insects and remained active for as long as six months after initial sprayings. By this simple method it was possible to protect the population for as little as two to three shillings per head per year. In 1948 the World Health Organization launched a series of spraying campaigns designed to control malaria. Anti-malaria drugs, developed in the 1930's and found to be dramatically effective, particularly in the Second World War, were also used, but were more difficult to administer because of the widespread dispersal of the population in malarious areas. The number of people protected by World Health Organization campaigns increased from less than a million in 1949 to one hundred million in 1966.

In 1951 the mosquito counter-attacked. D.D.T. insecticides were becoming less effective, and in Greece the mosquito was developing a resistance to them. It became vital to interrupt the transmission of malaria and eradicate the disease before this sporadic resistance spread farther and made spraying campaigns ineffective. A world-wide campaign for the total eradication of malaria was launched.

Our map shows the progress of this campaign. By the end of 1966, of the 1,592 million people exposed to malaria, nearly 619 million were freed from its threat, 335 million were being protected by active eradication programmes, and a further 273 million will be protected within a few years. Greece, once the most malaria-ridden country in Europe, reduced its cases from one million in 1938 to very few in 1966. More than twenty countries have completely or virtually eliminated this disease, and a number of others have dramatically lowered their death rates at all ages.

Great progress has been made, but many millions of people still go unprotected. The attack on the mosquito becomes increasingly urgent as more and more species develop resistance to insecticides. Already 24 *Anopheles* species—half of them serious malaria carriers—are known to be immune to modern insecticides, including the most resistant species of all, *Anopheles gambiae*, which threatens over 90 per cent of the population of tropical Africa.

The total eradication of malaria is vital. Unless it is pursued energetically, the disease which has plagued man for thousands of years will spread anew throughout the world.



The above chart shows changes in the distribution of population in the originally malarious areas of the world (W.H.O. regions) by phase of malaria eradication between 1957 and 1966

HEALTH IN BRITAIN

Preventive, social and clinical medicine are now playing an increasingly vital part in the improvement of health.

A little over a century ago infectious diseases—cholera, diphtheria, smallpox, typhoid and tuberculosis—accounted for more than half the deaths in Britain. Childbirth was often dangerous; many babies did not survive infancy; men, women and even children (those over ten years old) worked a sixty-hour week in the factories and mines; and malnutrition, insanitary living conditions and lack of public hygiene measures so encouraged the spread of sickness and disease that man's expectancy of life at birth was less than fifty years.

Higher standards in living conditions, the discovery of sulphonamides and of antibiotics such as penicillin, and the introduction of vaccination and immunization have now drastically reduced the death rate from the infectious diseases. Not one person died of diphtheria in 1965 compared with nearly 10,000 a century ago. For every million of population only 39 died of pulmonary tuberculosis compared with 3,330 per million in 1859. The conquest and control of these and other diseases, and the greatly improved health of the community have come about not only by dramatic advances in medical science, but also by the development of preventive and social medicine. Better food, housing and sanitation; maternity clinics, child welfare and school health services, mass X-ray and industrial medicine; improvement in the hours and conditions of work; a new approach to the mentally ill and mentally disabled; all have contributed to the health and well-being of the nation. The striking reduction in the infant mortality rate from 147 per 1,000 live births in 1859 to 22 per 1,000 in 1965, the increase in the weight and height of schoolchildren, and the increase in life expectancy at one year of 21 years for men and 26 years for women, are indications of the better health of the people.

The major health problems are now mainly associated with the older age groups. Bronchitis causes nearly 30,000 deaths and the loss of 27 million working days a year, and the effects of rheumatic diseases cause the loss of a further 27 million working days. There has been a marked increase in the degenerative diseases, particularly cancer of the lung and diseases of the heart and circulation. These, and the various forms of arthritis, fall heaviest on people aged over fifty.

The increase in the figures for degenerative diseases is partly because medical science has learned to diagnose them more effectively, and partly because the population as a whole is living longer. But just as the infectious diseases are being conquered, so too it is hoped to overcome the degenerative disorders. Already early diagnosis of some forms of cancer has doubled and even trebled the rate of cure.

As medical science enables more and more people to live out the natural lifespan of threescore years and ten, and consequently to extend their working lives, the provision of special jobs for the older men and women to suit their slower reactions and declining manual dexterity, and of homes and hospital accommodation for the aged, are an especially important function of the country's Health Service.

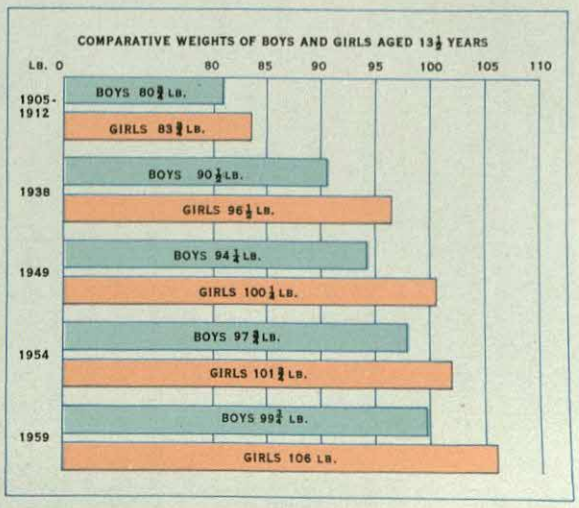
IMPROVEMENT IN HEALTH 1859-1965

		1859	1965
POPULATION		22,880,040	54,435,700
BIRTHS		796,613	997,275
DEATHS		502,535	627,798
BIRTH RATE *		34·8	20·2
DEATH RATE †		21·9	11·3
INFANT MORTALITY ‡		147	22·4
LIFE EXPECTANCY AT ONE YEAR	MALE	46·8	68·4
	FEMALE	47·9	74·0

* Number of live births per 1,000 population

† Number of deaths per 1,000 population

‡ Number of deaths of infants under 1 yr. per 1,000 live births



AROUND

And God saw every thing that he had made—GENESIS1

These are views of the world as no man has ever seen it—a world exposed as a tangle of wild grandeur; as a blanket of water; as a globe roofed in ice; as illusions of light and shadow. Earth-bound man

THE MASS OF LAND

In full summer, from a point above central eastern Europe, the whole range of the Earth's surface structure can be seen. To the north a great plain stretches from the North Sea across Europe into Siberia, and finally merges into the close-packed ice-floes of the Arctic. To the south an immense desert barrier sweeps from the shores of the Atlantic in a giant scimitar curve across the north of Africa, Arabia, Turkestan, and to the Gobi. Except for the Chinese borderlands, this desert barrier has been dominated for a thousand years by the Muslim religion, so that both Europe and Christianity were shut off from the immemorial East until the Portuguese found a sea-way round Africa and ocean ring-road round the Middle East. In Asia the mountains broaden out from the Caucasus to form the great wall of the mighty Himalayas with the Tibetan plateau behind them; and farther south lie the hot and densely populated lands of southern A[illegible]

In winter a view from the same point would reveal a dramatically unbroken sheet of snow stretching from the northern plain of Poland to the Pacific, demonstrating how the cold intensifies as the land recedes from the maritime western edges and reaches into the heart of the continent.

WHERE MEN LIGHTEN THE DARKNESS

At night the populated areas of the world prick out patterns of light, clustered thickly where population is densest.

From a point directly above London we see a half-world in which live nine out of every ten of the people of the Earth. The lights of western Europe form a bright galaxy, for this region contains 85 towns with populations of 200,000 or over. Across the Atlantic, in the eastern United States, glow the lights of 40 towns of similar size. To the east are the bright clusters in Pakistan and India, in China, Japan and Indonesia—the homes of more than 1,200 million people.

Elsewhere are smaller concentrations of light—in California, on the banks of the Nile, round the coasts of the continents—almost everywhere except in the polar seas. Great black patches can be seen where unilluminated night broods over the circle of frozen northlands and over vast deserts and mountain ranges.

A CONTINENT OF ICE

Seen from a point directly over the South Pole, the Southern Hemisphere seems to be dominated by the shining ice cap that covers an island larger than the continent of Europe. In almost every direction the horizon is sea, although the tips of three continents extend into this half-world. Cape Horn, at the tip of South America, is 2,350 miles from the South Pole; Buenos Aires, the most southerly large town of South America, is 3,800 miles from it; the Cape of Good Hope, at the tip of Africa, with the port of Cape Town and the broadening mass of South Africa beyond, lies a similar distance away; Christchurch in New Zealand and Hobart in Tasmania, the largest towns near to the Pole, are 3,200 miles distant from it.

In this half-world there are only 25 towns with populations over 200,000. The stormy southern seas are deserted except for the icebergs which calve off the ice cap to drift far out into the ocean.

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THE WORLD

knows the broad truths of geography only from the jig-saw of the details he can see. Here the jig-saw has been completed; the world is seen in perspective.

Hold these pages 18 inches from your eyes. Each half-world will reveal the Earth just the size you would see it were you 25,000 miles out in space.

THE WATER PLANET

Tahiti is at the centre of this half-world—a half-world that is almost all water. The Pacific, largest of all oceans, shows its vast expanse. To the east and south of Tahiti are thousands of square miles of ocean without a single island or reef. In the western Pacific groups of tiny islands gleam white in the sunlight; far to the north Hawaii stands out as a solitary stepping stone on the 6,200 mile hop from North America to Asia. Solid land masses are far away, only just appearing on the horizon. To the south-west is Australia—with Sydney, a mere 3,801 miles from the island of Tahiti. The vast semicircle of the Americas serrates the opposite skyline; Vancouver is 4,888 miles away, Panama 5,180, Cape Horn 4,950. China and Japan lie out of sight. Tokyo is 5,893 miles from Tahiti.

Compare this hemisphere with the one to its left. There, millions of people live in the heart of Asia, and may be as far as three thousand miles from the open sea. Here, in the water hemisphere, live only a few hundred thousand people, thousands of miles from any sizeable land.

DAWN ADVANCES

Part of the world is in shadow: it is at a stage between "new Earth" and "full Earth."

Dawn, advancing at the rate of 15 degrees longitude every hour, is just reaching the Americas. The first rays of the rising sun break from the east on the hills of Nova Scotia and Brazil, while the glaciers of Greenland are already in full daylight. It is nine in London and breakfast is over, four in the morning in New York, an hour after midnight in San Francisco, and noon in Baghdad.

Only at the equinoxes in March and September does every place in the world have an equal number of hours of darkness and light. In June the tilt of the Earth's axis brings full daylight all round the clock to the North Pole. It is then midsummer in the Northern Hemisphere and midwinter in the Southern.

THE ROOF OF THE WORLD

The North Pole, with its monotonous waste of broken ice, is the hub of this crowded view. The floating ice of the North Pole merges into the surrounding land masses. Round the Arctic lies the expanse of frozen northlands of Russia and Canada. Below comes the belt of coniferous forest which rings the world from the Atlantic Ocean to the Pacific, and, jumping the 50-mile gap between Siberia and North America, sweeps on again round the globe from the Pacific Ocean to the Atlantic. Below the forest region, great towns describe another circle round the globe—Leningrad 2,070 miles from the North Pole, Glasgow 2,360, Quebec 3,000 and Edmonton 2,520. Along this ring of towns the transcontinental railways, the trunk roads, the busiest air-routes make a web of communications that is continued across the oceans by ships and planes navigating on "great circle" routes. Far on the horizon lies the belt of desert and mountain between temperate and tropical lands.

FACTS ABOUT THE EARTH

Estimated age of the Earth . . at least 4,500 million years
Superficial area . . . . . 196,950,000 sq. miles
Land surface . . . . . 57,510,000 sq. miles
Water surface (71% of total area) . . 139,440,000 sq. miles
Equatorial circumference . . . . . 24,902 miles
Meridional circumference . . . . . 24,860 miles
Volume of the Earth . . . 260,000,000,000 cubic miles
Mass, or weight . . . 6,586,542,500,000,000,000,000 tons

It is estimated that the Earth attracts 14·9 tons of cosmic dust annually.

Highest point of the Earth's land surface—
Mount Everest . . . . . 29,028 feet

Lowest point of the Earth's land surface—
Shores of the Dead Sea, Israel-Jordan 1,299 feet below sea level

Greatest ocean depth—Marianas Trench,
off the Philippines . . . . 36,198 feet below sea level

The Earth makes one complete revolution round the Sun every 365 days, 5 hours, 48 minutes and 46 seconds.

The Earth makes one complete rotation on its axis in 23 hours and 56 minutes.

The Earth revolves in its orbit round the Sun at a speed of 66,600 miles per hour.

The Earth rotates on its axis at an equatorial speed of more than 1,000 miles per hour.

CONTINENTS

	Area square miles	*Mean Elevation feet*	*Highest Elevation feet*	*Lowest Elevation feet*	*Highest Recorded Temperature*	*Lowest Recorded Temperature*
AFRICA	11,693,000	1,900	Mt. Kilimanjaro, *Tanzania* 19,340	Lake Assal, *Fr. Somaliland* 492 *below sea level*	Al Aziziyah, *Libya* 136·4°F	Semrir, *Morocco* —11·4°F
ANTARCTICA	5,150,000	6,000	Vinson Massif 16,864	Sea level	Hope Bay, *Graham Land* 59·4°F	Nr. Vostok —126·9°F
ASIA	16,943,000	3,000	Mt. Everest, *Nepal–Tibet* 29,028	Dead Sea, *Israel–Jordan* 1,299 *below sea level*	Jacobabad, *Pakistan* 127·1°F	Verkhoyansk, *Siberia* —89·9°F
AUSTRALIA	2,967,909	1,000	Mt. Kosciusko, *N. S. Wales* 7,316	Lake Eyre, *South Australia* 52 *below sea level*	Cloncurry, *Queensland* 127·5°F	Charlotte Pass, *N. S. Wales* —8·0°F
EUROPE*	4,053,300	980	Mt. El'brus, *U.S.S.R.* 18,482	Caspian Sea, *U.S.S.R.* 92 *below sea level*	Seville, *Spain* 124·0°F	Ust'-Shchugor, *U.S.S.R.* —67·0°F
NORTH AMERICA	9,365,000	2,000	Mt. McKinley, *Alaska* 20,320	Death Valley, *California* 282 *below sea level*	Death Valley, *California* 133·9°F	Snag, *Yukon* —81·0°F
SOUTH AMERICA	6,880,000	1,800	Mt. Aconcagua, *Argentina* 22,834	Salinas Grandes, *Argentina* 131 *below sea level*	Rivadavia, *Argentina* 120·0°F	Sarmiento, *Argentina* —27·4°F

* Including U.S.S.R. west of Ural'skiy Khrebet.

HIGHEST MOUNTAINS OF THE WORLD

	feet		*feet*		*feet*		*feet*
Everest, *Nepal-Tibet*	29,028	Nanda Devi, *India*	25,645	Muztagh Ata, *Sinkiang*	24,757	Mercedario, *Argentina*	22,211
K2 (Godwin Austen), *Kashmir-Sinkiang*	28,250	Rakaposhi, *Kashmir*	25,550	Kommunisma, (Pik), *U.S.S.R.*	24,590	Huascarán, *Peru*	22,205
Kangchenjunga, *Nepal-India*	28,209	Lamet, *India-Tibet*	25,447	Pobedy, (Pik), *U.S.S.R.-Sinkiang*	24,407	Llullaillaco, *Argentina-Chile*	22,057
Makalu, *Tibet-Nepal*	27,805	Namcha Barwa, *Tibet*	25,447	Chomolhari, *Bhutan-Tibet*	23,997	Kailas, *Tibet*	22,028
Dhaulagiri, *Nepal*	26,810	Gurla Mandhata, *Tibet*	25,355	Lenina, (Pik), *U.S.S.R.*	23,406	Yerupaja, *Peru*	21,759
Nanga Parbat, *Kashmir*	26,660	Ulugh Muztagh, *Tibet*	25,338	Aconcagua, *Argentina*	22,834	Ancohuma, *Bolivia*	21,490
Annapurna, *Nepal*	26,504	Kungur, *Sinkiang*	25,325	Illimani, *Bolivia*	22,579	Sajama, *Bolivia*	21,390
Gasherbrum, *Kashmir*	26,470	Tirich Mir, *Pakistan*	25,230	Ojos del Salado, *Chile-Argentina*	22,539	Illampu, *Bolivia*	21,276
Gosainthan, *Tibet*	26,291	Amne Machin, *China*	25,000	Bonete, *Argentina*	22,546	Coropuna, *Peru*	21,079
		Minya Konka, *China*	24,903	Tupungato, *Chile*	22,310	Chimborazo, *Ecuador*	20,577

The total number of active volcanoes is 485, and the most violent eruption on record is that of Krakatoa (Indonesia) in 1833

PRINCIPAL OCEANS AND SEAS OF THE WORLD

	Area sq. miles	*Average Depth in feet*	*Greatest Depth in feet*		*Area sq. miles*	*Average Depth in feet*	*Greatest Depth in feet*		*Area sq. miles*	*Average Depth in feet*	*Greatest Depth in feet*
Pacific Ocean	63,986,000	14,040	36,198	Bering Sea	878,000	1,665	13,422	Hudson Bay	472,000	440	1,500
Atlantic Ocean	31,530,000	12,880	30,143	Caribbean Sea	750,000	8,400	23,750	Japan, Sea of	405,000	4,835	10,200
Indian Ocean	28,350,000	13,000	22,968	Gulf of Mexico	700,000	4,700	12,426	North Sea	221,000	180	1,998
Arctic Ocean	5,541,600	4,200	17,850	Okhotsk, Sea of	582,000	3,000	12,621	Red Sea	178,000	1,490	7,254
Mediterranean Sea	1,145,000	4,500	14,435	East China Sea	480,000	610	10,500	Black Sea	168,500	4,300	7,362
South China Sea	895,000	5,400	16,456	Yellow Sea	480,000	160	348	Baltic Sea	158,000	221	1,300

LONGEST RIVERS OF THE WORLD

	miles		*miles*		*miles*		*miles*
Nile, *Africa*	4,090	Hwang Ho (Yellow), *China*	2,700	Volga, *U.S.S.R.*	2,290	Purus, *South America*	1,850
Amazon, *South America*	4,050	Lena, *U.S.S.R.*	2,645	Madeira, *South America*	2,100	Brahmaputra, *Asia*	1,800
Mississippi–Missouri, *U.S.A.*	3,760	Mackenzie, *Canada*	2,635	Paraná, *South America*	2,050	Orinoco, *South America*	1,800
Irtysh, *U.S.S.R.*	3,200	Mekong, *Asia*	2,600	Indus, *Asia*	1,980	São Francisco, *S. America*	1,800
Yangtze, *China*	3,100	Niger, *Africa*	2,600	Yukon, *Alaska*	1,979	Danube, *Europe*	1,770
Amur, *Asia*	2,900	Yenisey, *U.S.S.R.*	2,360	St. Lawrence, *Canada*	1,945	Salween, *Burma–China*	1,750
Congo, *Africa*	2,718	Murray–Darling, *Australia*	2,310	Rio Grande, *U.S.A.*	1,885	Euphrates, *Asia*	1,700

PRINCIPAL LAKES OF THE WORLD

	sq. miles		*sq. miles*		*sq. miles*		*sq. miles*
Caspian Sea, *U.S.S.R.–Iran (salt)*	170,000	Tanganyika, *East Central Africa*	12,700	Ontario, *U.S.A.–Canada*	7,540	Athabasca, *Canada*	3,058
Superior, *U.S.A.–Canada*	31,820	Great Bear, *Canada*	11,660	Balkhash, *U.S.S.R.*	7,050	Nicaragua, *Nicaragua*	3,000
Victoria, *East Central Africa*	26,200	Baykal, *U.S.S.R.*	11,580	Ladoga, *U.S.S.R.*	7,000	Reindeer, *Canada*	2,440
Aral, *U.S.S.R. (salt)*	24,400	Great Slave, *Canada*	11,170	Onega, *U.S.S.R.*	3,800	Torrens, *Australia (salt)*	2,400
Huron, *U.S.A.–Canada*	23,010	Erie, *U.S.A.–Canada*	9,940	Eyre, *Australia (salt)*	3,700	Koko Nor, *China (salt)*	2,300
Michigan, *U.S.A.*	22,400	Winnipeg, *Canada*	9,398	Rudolf, *Kenya (salt)*	3,500	Issyk-Kul', *U.S.S.R.*	2,276
Nyasa, *East Central Africa*	14,200	Chad, *North Central Africa*	8,000	Titicaca, *Peru–Bolivia*	3,200	Vänern, *Sweden*	2,150

SECTION FOUR

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INSTITUTE OF EDUCATION FOR WOMEN
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PART ONE—THE BRITISH ISLES

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LIST OF COUNTIES AND ABBREVIATIONS

Counties in England

Bedford	Beds.
Berkshire	Berks.
Buckingham	Bucks.
Cambridge and Isle of Ely	Cambs.
Cheshire	Ches.
Cornwall	Corn.
Cumberland	Cumb.
Derby	—
Devon	—
Dorset	—
Durham	—
Essex	—
Gloucester	Glos.
Greater London Council Area	London
Hampshire	Hants.
Hereford	Herefs.
Hertford	Herts.
Huntingdon and Peterborough	Hunts.
Kent	—
Lancashire	Lancs.
Leicester	Leics.
Lincoln	Lincs.
Norfolk	Norf.
Northamptonshire	Northants.
Northumberland	N'land.
Nottinghamshire	Notts.
Oxford	Oxon.
Rutland	Rutl.
Shropshire (Salop)	Shrops.
Somerset	Som.
Staffordshire	Staffs.
Suffolk	Suff.
Surrey	—
Sussex	—
Warwick	Warks.
Westmorland	W'land.
Wiltshire	Wilts.
Worcestershire	Worcs.
Yorkshire	Yorks.

Counties in Wales

Monmouth	Mon.
Anglesey	Angl.
Brecknock	Brecon.
Caernarvon	Caern.
Cardigan	Card.
Carmarthen	Carm.
Denbigh	Denb.
Flint	—
Glamorgan	Glam.
Merioneth	Mer.
Montgomery	Mont.
Pembroke	Pemb.
Radnor	Rad.

Counties in Scotland

Aberdeen	A'deen.
Angus	—
Argyll	—
Ayr	—
Banff	—
Berwick	Ber.
Bute	—
Caithness	Caith.
Clackmannan	Clack.
Dumfries	Dumf.
Dunbarton	Dunb.
East Lothian	E. Loth.
Fife	—
Inverness	I'ness.
Kincardine	Kinc.
Kinross	—
Kirkcudbright	Kirkcud.
Lanark	—
Midlothian	M'loth.
Moray	—
Nairn	—
Orkney	—
Peebles	Peebl.
Perth	—
Renfrew	Renf.
Ross and Cromarty	Ross
Roxburgh	Rox.
Selkirk	Selk.
Shetland	Shet.
Stirling	Stir.
Sutherland	Suth.
West Lothian	W. Loth.
Wigtown	Wig.

Counties in N. Ireland

Antrim	Ant.
Armagh	Arm.
Down	—
Fermanagh	Ferm.
Londonderry	Lond.
Tyrone	—

Counties in the Republic of Ireland (Eire)

Carlow	Leix	Waterford
Cavan	Limerick	Westmeath
Clare	Longford	Wexford
Cork	Louth	Wicklow
Donegal	Mayo	
Dublin	Meath	
Galway	Monaghan	
Kerry	Offaly	
Kildare	Roscommon	
Kilkenny	Sligo	
Leitrim	Tipperary	

Abbreviations

B.	Bay
C.	Cape
Co.	County
Dist.	District
Div.	Division
E.	East
Eng.	England
Gt.	Great
Hd.	Head
I.	Island
Ire.	Ireland
L	Lake
Lt. Ho.	Light House
Mt.	Mountain
N.	North
Oc.	Ocean
Pk.	Peak
Prov	Province
Pt.	Point
Res.	Reservoir
Scot.	Scotland
S.	South
Sd.	Sound
Str.	Strait
W.	West

A

Abbeyfeale, *Limerick, Eire* 33 Ej
Abbeyleix, *Leix, Eire* 33 Jh
Abbey Town, *Cumb., Eng.* 38 Bc
Abbots Bromley, *Staffs., England* 37 Lc
Abbotsbury, *Dorset, Eng.* 36 Jg
Aberaeron, *Wales* 36 Fd
Aberchirder, *Banff, Scot.* 34 Ld
Aberdare, *Glam., Wales* 36 He
Aberdeen and co., *Scot.* 34 Me
Aberdovey, *Mer., Wales* 36 Fc
Aberfeldy, *Perth, Scotland* 35 Jf
Aberfoyle, *Perth, Scotland* 35 Hg
Abergavenny, *Mon.* 36 He
Abergele, *Denbigh, Wales* 36 Gb
Abernethy, *Perth, Scotland* 35 Kg
Aberthaw, *Glam., Wales* 36 Hf
Abertillery, *Mon.* 36 He
Aberystwyth, *Card., Wales* 36 Fd
Abingdon, *Berks., England* 37 Me
Abington, *Lanark, Scotland* 35 Jh
Aboyne, *Aberdeen, Scotland* 34 Le
Accrington, *Lancs., Eng.* 38 De
Achill, *Mayo, Eire* 32 Df
Achill Hd. and I., *Mayo Eire* 32 Cf
Achnasheen, *Ross., Scot.* 34 Fd
Aclare, *Sligo, Eire* 32 Fe
Adare, *Limerick, Eire* 33 Fh
Ailsa Craig, I., *Ayr, Scot.* 35 Fj
Aintree, *Lancs., England* 38 Cf
Air, Pt. of, *Flint, Wales* 36 Hb
Airdrie, *Lanark, Scotland* 35 Jh
Aire Gap, *Yorks., England* 38 De
Aire, R., *Yorks., England* 38 Ee
Airedale, *Yorks., England* 38 Ee
Alcester, *Warwick, Eng.* 37 Ld
Aldbrough, *Yorks., England* 38 He
Aldeburgh, *Suffolk, Eng.* 37 Td
Alderney, I., *Channel Is.* 37 Kk
Aldershot, *Hants., England* 37 Nf
Alexandria, *Dunb., Scot.* 35 Gh
Alford, *Aberdeen, Scotland* 34 Le
Alford, *Lincs., England* 38 Jf
Alfreton, *Derby, England* 38 Ff
Allen, L., *Leitrim, Eire* 32 Ge
Allen, Bog of, *Offaly, etc., Eire* 33 Jg
Allendale Town, *N'land., Eng.* 38 Dc
Alloa, *Clackmannan, Scot.* 35 Jg
Allonby, *Cumberland, Eng.* 38 Bc
Almond, R., *Perth, Scotland* 35 Jg
Aln, R., *N'land., Eng.* 38 Eb
Alness, *Ross., Scot.* 34 Hd
Alnmouth, *N'land., Eng.* 38 Eb
Alnwick, *N'land., Eng.* 38 Eb
Alston, *Cumberland, Eng.* 38 Dc
Althorpe, *Lincs., England* 38 Ge
Altnaharra, *Suth., Scot.* 34 Hc
Alton, *Hants., England* 37 Nf
Altrincham, *Cheshire, Eng.* 38 Df
Alwen, Res., *Denb., Wales* 36 Gb
Alyth, *Perth, Scotland* 35 Kf
Amble, *N'land., Eng.* 38 Eb
Ambleside, *W'land., Eng.* 38 Cd
Amersham, *Bucks., England* 37 Ne
Amesbury, *Wilts., England* 37 Lf
Amlwch, *Anglesey, Wales* 36 Fb
Ammanford, *Carm., Wales* 36 Ge
Ampthill, *Bedford, England* 37 Pd
Andover, *Hants., England* 37 Mf
Anglesey, co. and I., *Wales* 36 Fb
Angus, co., *Scotland* 35 Lf
Annan, *Dumfries, Scotland* 35 Kk
Annan, R., *Dumfries, Scot.* 35 Kj
Annandale, *Dumfries, Scot.* 35 Kj
Anstruther, *Fife, Scotland* 35 Lg
An Teallach, mt., *Ross and Cromarty, Scotland* 34 Fd
Antrim and co., *N. Ireland* 32 Ld
Antrim Hills, *Antrim, N. Ire.* 32 Lc
An Uaimh, *Meath, Eire* 32 Kf
Appleby, *W'land., Eng.* 38 Dc
Applecross, *Ross., Scot.* 34 Ee
Appledore, *Devon, England* 36 Ff
Aran I., *Donegal, Eire* 32 Fc
Aran Is., *Galway, Eire* 33 Dg
Aran Mawddwy, mt., *Merioneth, Wales* 36 Gc
Arbroath, *Angus, Scotland* 35 Lf
Ardara, *Donegal, Eire* 32 Gd
Ardee, *Louth, Eire* 32 Kf
Arden, Forest of, *Warwick, England* 37 Ld
Arderin, pk., *Offaly-Leix Eire* 33 Hg
Ardgay, *Ross., Scot.* 34 Hd
Ardglass, *Down, N. Ireland* 32 Me
Ardlui, *Dunbarton, Scotland* 35 Gg
Ardmore B., *Waterford, Eire* 33 Hk
Ardnamurchan Pt., *Argyll, Scotland* 35 Df
Ardnave Pt., *Islay, Scotland* 35 Dh
Ardrishaig, *Argyll, Scotland* 35 Fg
Ardrossan, *Ayr, Scotland* 35 Gh
Ards Pen., *Down, N. Ire.* 32 Md
Ardvasar, *Skye, Scotland* 34 Ee
Argyll, co., *Scotland* 35 Fg
Arisaig, and Sd. of, *I'ness., Scotland* 35 Ef
Arkaig, L., *Inverness, Scot.* 34 Ff
Arklow, *Wicklow, Eire* 33 Lh
Armagh and co., *N. Ire.* 32 Ke
Arra Mts, *Tipperary, Eire* 33 Gh
Arran, I., *Bute, Scotland* 35 Fh
Arrochar, *Dunbarton, Scot.* 35 Gg
Arrow, L., *Sligo, Eire* 32 Ge
Arun, R., *Sussex, England* 37 Nf
Arundel, *Sussex, England* 37 Ng
Ascot, *Berks., England* 37 Nf
Ashbourne, *Derby, England* 38 Ef
Ashburton, *Devon, England* 36 Gg
Ashby-de-la-Zouch, *Leicester, England* 37 Lc
Ashdown Forest, *Sussex, England* 37 Qf
Ashford, *Kent, England* 37 Rf
Ashfordby, *Leicester, Eng.* 37 Nc
Ashington, *Northumberland England* 38 Eb
Ashton, *Lancs., England* 38 Df
Askeaton, *Limerick, Eire* 33 Fh
Askrigg, *Yorks., England* 38 Dd
Aspatria, *Cumberland, Eng.* 38 Bc
Assynt, L., *Sutherland, Scot.* 34 Fc
Aston, *Cheshire, England* 38 Cf
Athboy, *Meath, Eire* 32 Kf
Athenry, *Galway, Eire* 33 Fg
Atherstone, *Warwick, Eng.* 37 Lc
Athleague, *Roscommon, Eire* 33 Gf
Athlone, *Westmeath, Eire* 33 Gg
Athy, *Kildare, Eire* 33 Kh
Attleborough, *Nor., Eng.* 37 Sc
Auchterarder, *Perth, Scot.* 35 Jg
Audlem, *Cheshire, England* 38 Df
Aughnacloy, *Tyrone, N. Ire.* 32 Ke
Aughrim, *Wicklow, Eire* 33 Lh
Aultbea, *Ross., Scot.* 34 Ed
Auskerry, I., *Orkney, Scot.* 34 La
Aviemore, *Inverness, Scot.* 34 Je
Avoca, *Wicklow, Eire* 33 Lh
Avon, R., *Banff, Scotland* 34 Ke
Avon, R., *Hants., England* 37 Lg
Avon, R., *Warwick-Worcester, England* 37 Ld
Avon, R., *Wilts., etc. England* 37 Kf
Avonmouth, *Glos., Eng.* 36 Je
Axbridge, *Somerset, Eng.* 36 Jf
Axminster, *Devon, England* 36 Jg
Aycliffe, *Durham, England* 38 Ec
Aylesbury, *Bucks., England* 37 Ne
Aylsham, *Norfolk, England* 37 Sc
Ayr and co., *Scotland* 35 Gj
Ayr, R., *Ayr, Scotland* 35 Hh
Ayre, Pt. of, *Isle of Man* 38 Ld

B

Bacup, *Lancs., England* 38 De
Badenoch, dist., *I'ness., Scot.* 34 Hf
Baginbun Hd., *Wexford, Eire* 33 Kj
Bagshot, *Surrey, England* 37 Nf
Baile Atha Cliath, see Dublin
Bailieborough, *Cavan, Eire* 32 Kf
Bakewell, *Derby, England* 37 Lb
Bala and L., *Mer., Wales* 36 Gc
Bala, Vale of, *Mer., Wales* 36 Gc
Balbriggan, *Dublin, Eire* 32 Lf
Baldock, *Herts., England* 37 Pe
Balerno, *Midlothian, Scot.* 35 Kh
Ballachulish, *Argyll, Scot.* 35 Ff
Ballaghaderreen, *Roscommon, Eire* 32 Ff
Ballantrae, *Ayr, Scotland* 35 Fj
Ballater, *Aberdeen, Scotland* 34 Ke
Ballina, *Mayo, Eire* 32 Ee
Ballinasloe, *Galway, Eire* 33 Gg
Ballindine, *Mayo, Eire* 32 Ff
Ballingarry, *Limerick, Eire* 33 Fj
Ballinluig, *Perth, Scotland* 35 Jf
Ballinrobe, *Mayo, Eire* 32 Ef
Ballinskelligs B., *Kerry, Eire* 33 Ck
Ballitore, *Kildare, Eire* 33 Kg
Ballybofey, *Donegal, Eire* 32 Hd
Ballybunion, *Kerry, Eire* 33 Dh
Ballycastle, *Antrim, N. Ire.* 32 Lc
Ballycastle, *Mayo, Eire* 32 Ee
Ballyclare, *Antrim, N. Ire.* 32 Md
Ballyconnell, *Cavan, Eire* 32 He
Ballycotton B., *Cork, Eire* 33 Hk
Ballyduff, *Waterford, Eire* 33 Gj
Ballygar, *Galway, Eire* 33 Gf
Ballygawley, *Tyrone, N. Ire.* 32 Je
Ballyhaise, *Cavan. Eire* 32 Je
Ballyhaunis, *Mayo, Eire* 32 Ff
Ballyhoura Hills, *Cork, etc., Eire* 33 Fj
Ballyjamesduff, *Cavan, Eire* 32 Jf
Ballymahon, *Longford, Eire* 33 Hf
Ballymena, *Antrim, N. Ire.* 32 Ld
Ballymoney, *Antrim, N. Ire.* 32 Kc
Ballymote, *Sligo, Eire* 32 Fe
Ballynahinch, *Down, N. Ire.* 32 Me
Ballyquintin Pt., *Down, N. Ireland* 32 Ne
Ballyragget, *Kilkenny, Eire* 33 Jh
Ballyshannon, *Donegal, Eire* 32 Gd
Ballyvaughan, *Clare, Eire* 33 Eg
Balmoral Castle, *Aberdeen, Scotland* 34 Ke
Balta, I., *Shetland, Scotland* 34 Ra
Baltasound, *Shetland, Scot.* 34 Ra
Baltimore, *Cork, Eire* 33 El
Baltinglass, *Wicklow, Eire* 33 Kh
Bamburgh, *N'land., Eng.* 38 Ea
Bampton, *Devon, England* 36 Hg
Bampton, *Oxford, England* 37 Le
Banagher, *Offaly, Eire* 33 Hg
Banavie, *Inverness, Scotland* 35 Ff
Banbridge, *Down, N. Ire.* 32 Le
Banchory, *Kincardine, Scotland* 34 Le
Bandon and R., *Cork, Eire* 33 Fk
Banff, *Banff, Scotland* 34 Ld
Banff, co., *Scotland* 34 Ke
Bangor, *Caernarvon, Wales* 36 Fb
Bangor, *Down, N. Ireland* 32 Md
Bann, R., *N. Ireland* 32 Ld
Bann, R., *Wicklow, Eire* 33 Lh
Bannockburn, *Stirling, Scot.* 35 Jg
Bantry, *Cork, Eire* 33 Ek
Bantry B., *Cork, Eire* 33 Dk
Bardsey, I., *Caernarvon, Wales* 36 Ec
Bargoed, *Glamorgan, Wales* 36 He
Barham, *Kent, England* 37 Sf
Barmouth, *Mer., Wales* 36 Fc
Barnard Castle, *Durham England* 38 Ec
Barnet, *London, England* 37 Pe
Barnsley, *Yorks., England* 38 Fe
Barnstaple, *Devon, England* 36 Ff
Barra, I., *Outer Hebrides, Scotland* 34 Ae
Barra Hd., *Outer Hebrides, Scotland* 35 Af
Barra, Sd. of, *Outer Hebrides, Scotland* 34 Be
Barrhill, *Ayr, Scotland* 35 Gj
Barrow, *Lancs., England* 38 Bd
Barrow, R., *Carlow, Eire* 33 Kj
Barry, *Glamorgan, Wales* 36 Hf
Barton, *Lancs., England* 38 Ce
Barton, *Lincs., England* 38 He
Barvas, *Lewis, Scotland* 34 Cc
Basildon, *Essex, England* 37 Qe
Basingstoke, *Hants., Eng.* 37 Mf
Bass Rock, *E. Lothian, Scot.* 35 Lg
Bath, *Somerset, England* 36 Kf
Bathgate, *W. Lothian, Scot.* 35 Jh
Batley, *Yorks., England* 38 Ee
Battle, *Sussex, England* 37 Qg
Bawtry, *Notts., England* 38 Ff
Beachy Hd., *Sussex, England* 37 Qg
Beaconsfield, *Bucks., Eng.* 37 Ne
Beaminster, *Dorset, England* 36 Jg
Bear I., *Cork, Eire* 33 Dk
Bearhaven, *Cork, Eire* 33 Dk
Beaulieu, *Hants., England* 37 Mg
Beauly, *Inverness, Scotland* 34 He
Beauly Firth, *I'ness., Scot.* 34 He
Beauly, R., *Inverness, Scot.* 34 Ge
Beaumaris, *Anglesey, Wales* 36 Fb
Beccles, *Suffolk, England* 37 Td
Bedale, *Yorks., England* 38 Ed
Beddgelert, *Caern., Wales* 36 Fb
Bedford and co., *England* 37 Pd
Bedlington, *N'land., Eng.* 38 Eb
Bedworth, *Warwick, Eng.* 37 Md
Beenoskee, mt., *Kerry, Eire* 33 Cj
Beith, *Ayr, Scotland* 35 Gh
Belcoo, *Fermanagh, N. Ire.* 32 He
Belfast, *Antrim, N. Ireland* 32 Md
Belfast L., *N. Ireland* 32 Md
Belford, *N'land., Eng.* 38 Ea
Bell Rock, *North Sea, Scot.* 35 Mg
Bellingham, *N'land., Eng.* 38 Db
Belmullet, *Mayo, Eire* 32 Ce
Belper, *Derby, England* 38 Ff
Belturbet, *Cavan, Eire* 32 Je
Ben Alder, mt., *I'ness., Scot.* 35 Hf
Ben Attow, mt., *Ross., Scot.* 34 Fe
Benbane Hd., *Antrim, N. Ireland* 32 Lc
Benbecula, I., *Outer Hebrides, Scotland* 34 Be
Benbulbin, pk., *Sligo, Eire* 32 Ge
Benbury, mt. *Mayo, Eire* 32 Df
Ben Cruachan, mt., *Argyll, Scotland* 35 Fg
Ben Dearg, mt., *Perth, Scot.* 35 Jf
Ben Dearg, mt., *Ross., Scot.* 34 Gd
Ben Hope, mt., *Suth., Scot.* 34 Gc
Ben Klibreck, mt., *Suth., Scotland* 34 Hc
Ben Lawers, mt., *Perth, Scotland* 35 Hf
Ben Ledi, mt., *Perth, Scot.* 35 Hg
Ben Lomond, mt., *Stirl., Scotland* 35 Gg
Ben Loyal, mt. *Sutherland* 34 Hc
Ben Lui, mt., *Argyll, Scot.* 35 Gg
Ben Macdhui, mt., *A'deen., Scotland* 34 Je
Ben More, mt., *Mull, Scot.* 35 Dg
Ben More, mt., *Perth, Scot.* 35 Gg
Ben More, mt., *Suth., Scot.* 34 Gc
Ben Nevis, mt., *I'ness., Scotland* 35 Gf
Ben Vorlich, mt., *Perth, Scotland* 35 Hg
Benwee Hd., *Mayo, Eire* 32 De
Ben Wyvis, mt., *Ross., Scot.* 34 Gd
Ben-y-Gloe, mt., *Perth, Scotland* 35 Jf
Bere Regis, *Dorset, Eng.* 37 Kg
Berkeley, *Gloucester, Eng* 36 Ke
Berkhamsted, *Herts., Eng.* 37 Ne
Berkshire (Berks.), co., *Eng.* 37 Mf
Bernera, Great, I., *Lewis, Scotland* 34 Cc
Berneray, I., *Outer Hebrides, Scotland* 34 Bd
Berriedale, *Caithness, Scot.* 34 Jc
Bertraghboy B., *Galway Eire* 33 Dg
Berwick, co., *Scotland* 35 Lh
Berwick-upon-Tweed, *Northumberland, Eng.* 38 Ea
Berwyn Mts., *Denbigh, etc., Wales* 36 Hc
Bethesda, *Caern., Wales* 36 Fb
Betws-y-Coed, *Caern., Wales* 36 Gb
Beverley, *Yorks., England* 38 He
Bewdley, *Worcs., Eng.* 36 Kd
Bexhill, *Sussex, England* 37 Qg
Bicester, *Oxford, England* 37 Me
Bideford and B., *Devon England* 36 Ff
Bigbury B., *Devon, England* 36 Gh
Biggar, *Lanark, Scotland* 35 Jh
Biggleswade, *Bedford, Eng.* 37 Pd
Billericay, *Essex, England* 37 Qc
Billesdon, *Leicester, Eng.* 37 Nc
Bilsborrow, *Lancs., Eng.* 38 Ce
Bilston, *Staffs., England* 37 Kc
Binbrook, *Lincs., England* 38 Hf
Bingham, *Notts., England* 38 Gg
Bingley, *Yorks., England* 38 Ee
Birkenhead, *Cheshire, Eng.* 38 Bf
Birmingham, *Warwick, Eng.* 37 Ld
Birnam, *Perth, Scotland* 35 Jf
Birr, *Offaly, Eire* 33 Hg
Birsay, *Orkney, Scotland* 34 Ka
Bishop Auckland, *Durham, England* 38 Ec
Bishop Rock Lt. Ho., *Scilly Is., England* 36 Bj
Bishops Castle, *Shrops., Eng.* 36 Jd
Bishops Stortford, *Herts., England* 37 Qe
Bishops Waltham, *Hants., England* 37 Mg
Black Hd., *Clare, Eire* 33 Eg
Black Mt., *Carmarthen Wales* 36 Ge
Black Mts., *Brecknock Wales* 36 He
Blackburn, *Lancs., England* 38 De
Blackdown Hills, *Devon-Somerset, England* 36 Hg
Black Isle, dist., *Ross., Scot.* 34 Hd
Blackmoor, *Dorset, Eng.* 36 Jg
Blackpool, *Lancs., Eng.* 38 Be
Black Rock, *Mayo, Eire* 31 Af
Blacksod B., *Mayo, Eire* 32 Ce
Blackstairs, *Carlow-Wexford, Eire* 33 Kh
Blackwater, *Essex, England* 37 Re
Blackwater, *Wexford, Eire* 33 Lj
Blackwater Res., *Inverness, Scotland* 35 Gf
Blackwater, R., *Cork, Eire* 33 Fj
Blackwater, R., *Meath, Eire* 32 Kf
Blackwater, R., *N. Ireland* 32 Ke
Blaenavon, *Mon.* 36 He
Blagdon, *Somerset, England* 36 Jf
Blair Atholl, *Perth, Scot.* 35 Jf
Blairgowrie, *Perth, Scot.* 35 Kf
Blakeney, *Gloucester, Eng.* 36 Je
Blakeney, *Norfolk, England* 37 Sc
Blandford, *Dorset, England* 37 Kg
Blarney, *Cork, Eire* 33 Fk
Blasket I., Gt., *Kerry, Eire* 33 Bj
Blasket Sd., *Kerry, Eire* 33 Bj
Blessington, *Wicklow, Eire* 33 Lg
Bletchley, *Bucks., England* 37 Ne
Bloody Foreland, *Donegal, Eire* 32 Gc
Blue Stack Mts., *Donegal, Eire* 32 Gd
Blyth and R., *N'land., Eng.* 38 Eb
Blyth, *Notts., England* 38 Ff
Boat of Garten, *Inverness Scotland* 34 Je
Boddam, *Aberdeen, Scot.* 34 Ne
Boderg, L., *Roscommon, Eire* 32 Gf
Bodmin, *Cornwall, England* 36 Eh
Bodmin Moors, *Corn., Eng.* 36 Eg
Bofin, L., *Roscommon, Eire* 32 Gf
Boggeragh Mts., *Cork, Eire* 33 Ff
Bognor Regis, *Sussex, Eng.* 37 Ng
Bolsover, *Derby, England* 38 Ff
Bolton, *Lancs., England* 38 De
Bolus Hd., *Kerry, Eire* 33 Ck
Bonar Bridge, *Suth., Scot.* 34 Hd
Bo'ness, *W. Lothian, Scot.* 35 Jg
Bootle, *Cumberland, Eng.* 38 Bd
Bootle, *Lancs., England* 38 Bf
Boreray, I., *St. Kilda, Scot.* 34 Aa
Boroughbridge, *Yorks, England* 38 Fd
Borris, *Carlow, Eire* 33 Kh
Borrisoleigh, *Tipperary, Eire* 33 Hh
Boscastle, *Cornwall, Eng.* 36 Eg
Boston, *Lincs., England* 38 Hg
Botley, *Hants., England* 37 Mg
Bottesford, *Leicester, Eng.* 38 Gg
Bourne, *Lincs., England* 38 Hg
Bournemouth, *Hants., England* 37 Lg
Bovey Tracey, *Devon, Eng.* 36 Gg
Bow, *Devon, England* 36 Gg
Bowes, *Yorks., England* 38 Dc
Bowmore, *Islay, Scotland* 35 Dh
Boyle, *Roscommon, Eire* 32 Gf
Boyne R., *Meath, etc., Eire* 32 Lf
Bracadale, *Skye, Scotland* 34 De
Bracadale, L., *Skye, Scot* 34 Ce
Brackley, *Northants., Eng.* 37 Md
Bracknell, *Berks., Eng.* 37 Nf
Bradford, *Wilts., England* 37 Kf
Bradford, *Yorks., England* 38 Ee
Bradninch, *Devon, Eng.* 36 Hg
Bradwell, *Essex, England* 37 Re
Bradworthy, *Devon Eng.* 36 Fg
Braemar, *Aberdeen, Scot.* 34 Kf
Braeriach, mt., *Aberdeen, Scotland* 34 Je
Braintree, *Essex England* 37 Re
Brampton, *Cumberland, England* 38 Cc
Brander, Pass of, *Argyll Scotland* 35 Fg
Brandon, *Suffolk, England* 33 Rd
Brandon B., *Kerry, Eire* 33 Cj
Brandon Hd., *Kerry, Eire* 33 Cj
Brandon, mt., *Kilkenny, Eire* 33 Kj
Branston, *Lincs., England* 38 Gf
Braunton, *Devon, England* 36 Ff
Bray Hd., *Kerry, Eire* 33 Ck
Bray and Hd., *Wicklow, Eire* 33 Lg
Brechin, *Angus, Scotland* 35 Lf
Brecknock, co., *Wales* 36 Ge
Brecon, *Brecknock, Wales* 36 He
Brecon Beacons, Mts., *Brecknock, Wales* 36 He
Brendon Hills, *Som., Eng.* 36 Hf
Brentford, *London, England* 37 Pf
Brentwood, *Essex, Eng.* 37 Qe
Bressay, I., *Shetland, Scot* 34 Qb
Bride, R., *Cork, etc., Eire* 33 Gj
Bridgend, *Glamorgan, Wales* 36 Gf
Bridge of Orchy, *Argyll, Scotland* 35 Gf
Bridgnorth, *Shropshire England* 36 Kc
Bridgwater, *Somerset, Eng* 36 Jf
Bridgwater B., *Somerset, England* 36 Hf
Bridlington and B., *Yorks. England* 38 Hd
Bridport, *Dorset, England* 36 Jg
Brigg, *Lincs., England* 38 He
Brighouse, *Yorks., England* 38 Ee
Brightlingsea, *Essex, Eng.* 37 Se
Brighton, *Sussex, England* 37 Pg
Brigstock, *Northants. England* 37 Nd
Brill, *Bucks., England* 37 Me
Bristol, *Somerset-Gloucester, England* 36 Jf
Bristol Channel, *England-Wales* 36 Ff
Briton Ferry, *Glam., Wales* 36 Ge
Brixham, *Devon, England* 36 Hh
Broad B., *Lewis, Scotland* 34 Dc
Broadford, *Skye, Scotland* 34 Ee
Broad Haven, *Mayo, Eire* 32 De
Broad Law, hill, *Peebles, Scotland* 35 Kj
Broadstairs, *Kent, England* 37 Sf

Brodick, *Arran, Scotland* 35 Fh
Bromley, *London, England* 37 Qf
Bromsgrove, *Worcester, England* 37 Kd
Bromyard, *Hereford, Eng.* 36 Jd
Broom, L., *Ross., Scot.* 34 Fd
Brora, *Sutherland, Scotland* 34 Jc
Brosna, R., *Offaly, etc., Eire* 33 Hg
Brough, *Cumberland, Eng.* 38 Dc
Brough Hd., *Orkney, Scot.* 34 Ka
Brough Ness, *Orkney, Scot.* 34 Lb
Broughton, *Lancs., Eng.* 38 Bd
Broughty Ferry, *Angus, Scotland* 35 Lg
Brownhills, *Staffs, Eng.* 37 Lc
Broxburn, *W. Lothian, Scotland* 35 Kh
Bruff, *Limerick, Eire* 33 Fj
Bruton, *Somerset, England* 36 Kf
Brynamman, *Carm., Wales* 36 Ge
Brynmawr, *Brecknock, Wales* 36 He
Buchan, dist., *A'deen., Scot.* 34 Md
Buchan Deep, *North Sea* 30 Gc
Buchan Ness, *A'deen., Scotland* 34 Ne
Buchlyvie, *Stirling, Scot.* 35 Hg
Buckden, *Huntingdon, Eng.* 37 Pd
Buckie, *Banff, Scotland* 34 Ld
Buckingham and co., *Eng.* 37 Nd
Buddon Ness, *Angus, Scot.* 35 Lg
Bude, *Cornwall, England* 36 Eg
Budleigh Salterton, *Devon, England* 36 Hg
Builth Wells, *Brecknock, Wales* 36 Hd
Bull Rock, *Kerry, Eire* 31 Aj
Bulwell, *Notts., England* 38 Ff
Buncrana, *Donegal, Eire* 32 Jc
Bundoran, *Donegal, Eire* 32 Ge
Bungay, *Suffolk, England* 37 Sd
Buntingford, *Herts., Eng.* 37 Pe
Bure, R., *Norfolk, England* 37 Sc
Bures, *Essex, England* 37 Re
Burford, *Oxford, England* 37 Le
Burgess Hill, *Sussex, Eng.* 37 Pg
Burghead, *Moray, Scotland* 34 Kd
Burgh-le-Marsh, *Lincs., England* 38 Jf
Burnham, *Essex, England* 37 Re
Burnham, *Somerset, Eng.* 36 Hf
Burnham Market, *Norfolk, England* 37 Rc
Burnley, *Lancs., England* 38 De
Burntisland, *Fife, Scotland* 35 Kg
Burravoe, *Shetland, Scot.* 34 Qa
Burray, I., *Orkney, Scot.* 34 Lb
Burrow Hd., *Wigtown, Scotland* 35 Hk
Burry Inlet, *Carmarthen-Glamorgan, Wales* 36 Fe
Burry Port, *Carm., Wales* 36 Fe
Burslem, *Staffs., England* 37 Kb
Burton-in-Kendal, *Westmorland, England* 38 Cd
Burton Port, *Donegal, Eire* 32 Gd
Burton-upon-Trent, *Staffs., England* 37 Lc
Bury, *Lancs., England* 38 De
Bury St. Edmunds, *Suffolk, England* 37 Rd
Bushmills, *Antrim, N. Ireland* 32 Kc
Bute, co., *Scotland* 35 Fh
Bute, I., *Bute, Scotland* 35 Fh
Buttevant, *Cork, Eire* 33 Fj
Buxton, *Derby, England* 38 Ef

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Cader Idris, mt., *Merioneth, Wales* 36 Gc
Caergwrle, *Flint, Wales* 36 Hb
Caerleon, *Mon.* 36 Je
Caernarvon and co., *Wales* 36 Fb
Caernarvon B., *Caern., Wales* 36 Eb
Caerphilly, *Glam., Wales* 36 He
Caersws, *Mont., Wales* 36 Hc
Caha Mts., *Cork-Kerry, Eire* 33 Dk
Cahir, *Tipperary, Eire* 33 Hj
Cahirciveen, *Kerry, Eire* 33 Ck
Cahore Pt., *Wicklow, Eire* 33 Lh
Cairn Gorm, mt., *Inverness, Scotland* 34 Je
Cairngorms, mts., *Inverness, etc., Scotland* 30 Ec
Cairn Toul, mt., *Aberdeen,* 34 Je
Caister, *Norfolk, England* 37 Tc
Caistor, *Lincs., England* 38 He
Caithness, co., *Scotland* 34 Jc
Caldbeck, *Cumb., Eng.* 38 Bc
Calder R., *Yorks., England* 38 Ee
Caledonian Canal, *Inverness, Scotland* 34 He
Calf of Man, I., *Isle of Man* 38 Kd
Callan, *Kilkenny, Eire* 33 Jh
Callander, *Perth, Scotland* 35 Hg
Callington, *Cornwall, Eng.* 36 Fh
Calne, *Wilts., England* 37 Kf
Camborne, *Cornwall, Eng.* 36 Dh
Cambrian Mts., *Wales* 36 Ge
Cambridge and Isle of Ely, co., *Eng.* 37 Pc
Camelford, *Cornwall, Eng.* 36 Eg
Campbeltown, *Argyll, Scot.* 35 Ej
Campsie Fells, *Stirl., Scot.* 35 Hg
Canisp, mt., *Suth., Scot.* 34 Fc
Canna, I., *Inverness, Scot.* 34 Ce
Cannock, *Staffs., England* 37 Kc
Cannock Chase, *Staffs., England* 37 Kc
Canonbie, *Dumfries. Scot.* 35 Lj
Canterbury, *Kent, Eng.* 37 Sf
Capel, *Surrey, England* 37 Pf
Cappoquin, *Waterford Eire* 33 Hj
Caragh, L., *Kerry, Eire* 33 Dj
Cardiff, *Glamorgan, Wales* 36 Hf
Cardigan, *Cardigan, Wales* 36 Ed
Cardigan, co., *Wales* 36 Fd
Cardigan B., *Merioneth-Cardigan, Wales* 36 Ec
Carlingford and L., *Louth, Eire* 32 Le
Carlisle, *Cumberland, Eng.* 38 Bc
Carlow and co., *Eire* 33 Kh
Carloway, *Lewis, Scotland* 34 Cc
Carlton, *Notts., England* 38 Ff
Carluke, *Lanark, Scotland* 35 Jh
Carmarthen and co., *Wales* 36 Fe
Carmarthen B., *Carmarthen, etc., Wales* 36 Fe
Carndonagh, *Donegal, Eire* 32 Jc
Carnforth, *Lancs., Eng.* 38 Cd
Carno, *Montgomery, Wales* 36 Gc
Carnoustie, *Angus, Scot.* 35 Lf
Carnsore Pt., *Wexford, Eire* 33 Lj
Carnwath, *Lanark, Scot.* 35 Jh
Carra, L., *Mayo, Eire* 32 Ef
Carrantuohill, mt., *Kerry, Eire* 33 Dk
Carrbridge, *Inverness, Scot.* 34 Je
Carrick, dist., *Ayr., Scot.* 35 Gj
Carrickfergus, *Antrim, N. Ireland* 32 Md
Carrickmacross, *Monaghan, Eire* 32 Kf
Carrick-on-Shannon, *Leitrim, Eire* 32 Gf
Carrick-on-Suir, *Tipperary, Eire* 33 Jj
Carrowmore L., *Mayo, Eire* 32 De
Carse of Gowrie, *Perth, Scotland* 35 Kg
Carsphairn, *Kirkcud., Scot.* 35 Hj
Carstairs, *Lanark, Scotland* 35 Jh
Carter Bar, *Scot.-Eng.* 35 Mj
Cashel, *Tipperary, Eire* 33 Hh
Castlebar, *Mayo, Eire* 32 Ef
Castlebay, *Barra, Scotland* 34 Bf
Castlebellingham, *Louth, Eire* 32 Lf
Castleblayney, *Monaghan, Eire* 32 Ke
Castle Cary, *Somerset, Eng.* 36 Jf
Castlecomer, *Kilkenny, Eire* 33 Jh
Castlederg, *Tyrone, N. Ire.* 32 Hd
Castledermot, *Kildare, Eire* 33 Kh
Castle Douglas, *Kirkcudbright, Scot.* 35 Jk
Castleford, *Yorks., Eng.* 38 Fe
Castleisland, *Kerry, Eire* 33 Ej
Castlemaine, *Kerry, Eire* 33 Dj
Castlemartyr, *Cork, Eire* 33 Gk
Castlepollard, *Westmeath, Eire* 32 Jf
Castlerea, *Roscommon, Eire* 32 Gf
Castletown, *Caith., Scot.* 34 Kb
Castletown, *Cork, Eire* 33 Dk
Castletown, *Isle of Man* 38 Kd
Castlewellan, *Down, N. Ireland* 32 Me
Catterick, *Yorks., Eng.* 38 Ed
Cavan and co., *Eire* 32 Jf
Cawdor, *Nairn, Scotland* 34 Jd
Ceanannus Mór, *Meath, Eire* 32 Kf
Cemaes, *Anglesey, Wales* 36 Fb
Cerne Abbas, *Dorset England* 36 Kg
Channel Is., *English Channel* 37 Jk
Chapel-en-le-Frith, *Derby, England* 38 Ef
Chard, *Somerset, England* 36 Jg
Chardstock, *Devon, Eng.* 36 Hg
Charing, *Kent, England* 37 Rf
Charlbury, *Oxford, Eng.* 37 Le
Charlestown, *Mayo, Eire* 32 Ff
Charleville, *Cork, Eire* 33 Fj
Charnwood Forest, *Leicester, England* 37 Mc
Chatham, *Kent, England* 37 Rf
Chatteris, *Cambridge, Eng.* 37 Qd
Chawton, *Hants., England* 37 Nf
Cheadle, *Staffs., England* 37 Lc
Cheddar, *Somerset, Eng.* 36 Jf
Chelmer, R., *Essex, Eng.* 37 Qe
Chelmsford, *Essex, Eng.* 37 Qe
Cheltenham, *Gloucester. England* 37 Ke
Chepstow, *Mon.* 36 Je
Chertsey, *Surrey, England* 37 Nf
Cherwell, R., *Oxford, etc., England* 37 Me
Chesham, *Bucks., England* 37 Ne
Cheshire, co., *England* 38 Cf
Cheshire Plain, *Cheshire-Lancs., Eng.* 38 Cf
Chesil Bank, *Dorset, Eng.* 36 Jg
Chester, *Cheshire, England* 38 Cf
Chesterfield, *Derby, Eng.* 38 Ff
Chester-le-Street, *Durham, England* 38 Ec
Cheviot, The, pk., *Northumberland, Eng.* 38 Db
Cheviot Hills, *Eng.-Scot.* 38 Db
Chichester, *Sussex, Eng.* 37 Ng
Chigwell, *Essex, England* 37 Qe
Chilbolton, *Hants., Eng.* 37 Mf
Chilham, *Kent, England* 37 Rf
Chiltern Hills, *England* 37 Ne
Chippenham, *Wilts., Eng.* 37 Kf
Chipping Campden, *Gloucester, England* 37 Ld
Chipping Norton, *Oxford, England* 37 Le
Chipping Sodbury, *Gloucester, England* 36 Ke
Chirk, *Denbigh, Wales* 36 Hc
Chirnside, *Berwick, Scot.* 35 Mh
Chisledon, *Wilts., Eng.* 37 Lf
Cholsey, *Berks., England* 37 Me
Chorley, *Lancs., England* 38 Ce
Christchurch, *Hants., Eng.* 37 Lg
Chudleigh, *Devon, England* 36 Gg
Chulmleigh, *Devon, Eng.* 36 Gg
Church Stretton, *Shropshire, England* 36 Jc
Cinderford, *Glos., Eng.* 36 Ke
Cirencester, *Glos., Eng.* 37 Le
Clackmannan and co., *Scot.* 35 Jg
Clacton-on-Sea, *Essex, England* 37 Se
Clara, *Offaly, Eire* 33 Hg
Clare, *Suffolk, England* 37 Rd
Clare, co., *Eire* 33 Eh
Clare I., *Mayo, Eire* 32 Cf
Clare, R., *Galway, Eire* 33 Fg
Clarecastle, *Clare, Eire* 33 Fh
Claremorris, *Mayo, Eire* 32 Ff
Claydon, *Suffolk, England* 37 Sd
Clear, C. and I., *Cork, Eire* 33 El
Cleddau, R., *Pemb., Wales* 36 Ee
Cleethorpes, *Lincs., Eng.* 38 He
Clent Hills, *Worcester-Warwick, England* 37 Kd
Cleobury Mortimer, *Shropshire, England* 36 Jd
Clevedon, *Somerset, Eng.* 36 Jf
Cleveland Hills, *Yorks., England* 38 Fd
Clew B., *Mayo, Eire* 32 Df
Clifden, *Galway, Eire* 33 Cg
Cliffe, *Kent, England* 37 Rf
Clisham, mt., *Harris, Scot.* 34 Cd
Clitheroe, *Lancs., England* 38 De
Cloghan, *Offaly, Eire* 33 Hg
Clogher, *Tyrone, N. Ire.* 32 Je
Clogher Hd., *Louth, Eire* 32 Lf
Clonakilty, *Cork, Eire* 33 Fk
Clonakilty B., *Cork, Eire* 33 Fk
Clondalkin, *Dublin, Eire* 33 Lg
Clonegall, *Carlow, Eire* 33 Kh
Clones, *Monaghan, Eire* 32 Je
Clonmel, *Tipperary, Eire* 33 Hj
Clova, *Angus, Scotland* 35 Kf
Clovelly, *Devon, England* 36 Fg
Cloyne, *Cork, Eire* 33 Gk
Clun, *Shropshire, England* 36 Hd
Clun Forest, *Radnor, etc., Wales* 36 Hd
Clunie, L., *I'ness., etc., Scot.* 34 Fe
Clwyd, R., *Denbigh, etc., Wales* 36 Hb
Clyde, Falls of, *Lanark, Scotland* 35 Jh
Clyde, Firth of, *Scotland* 35 Gh
Clyde, R., *Scotland* 35 Gh
Clydebank, *Dunbarton, Scotland* 35 Hh
Coalville, *Leicester, Eng.* 37 Mc
Coatbridge, *Lanark, Scot.* 35 Hh
Cóbh, *Cork, Eire* 33 Gk
Cock Bridge, *A'deen., Scot.* 34 Ke
Cockburnspath, *Berwick, Scotland* 35 Mh
Cockermouth, *Cumb., Eng.* 38 Bc
Cod's Hd., *Cork, Eire* 33 Ck
Colchester, *Essex, England* 37 Re
Coldingham, *Berwick, Scot.* 35 Mh
Coldstream, *Berwick, Scot.* 35 Mh
Coleraine, *Londonderry, N. Ireland* 32 Kc
Coll, I., *Argyll, Scotland* 35 Cf
Collinstown, *Dublin, Eire* 33 Lg
Collooney, *Sligo, Eire* 32 Fe
Colmonell, *Ayr, Scotland* 35 Gj
Colne, *Lancs., England* 38 De
Colne, R., *Essex, England* 37 Re
Colonsay, I., *Argyll, Scot.* 35 Dg
Colsterworth, *Lincs., Eng.* 38 Gg
Colwyn B., *Denbigh, Wales* 36 Gb
Colyton, *Devon, England* 36 Hg
Comber, *Down, N. Ireland* 32 Md
Comeragh mts., *Waterford, Eire* 33 Hj
Comrie, *Perth, Scotland* 35 Jg
Cong, *Mayo, Eire* 33 Ef
Congleton, *Cheshire, Eng.* 38 Df
Coniston, *Lancs., England* 38 Bd
Conn, L., *Mayo, Eire* 32 Ee
Connacht, prov., *Eire* 31 Ag
Connel Ferry, *Argyll. Scotland* 35 Fg
Connemara, *Galway, Eire* 33 Cf
Consett, *Durham, England* 38 Ec
Conway, *Caern., Wales* 36 Gb
Conwil Elvet, *Carm., Wales* 36 Fe
Cookham, *Berks., England* 37 Ne
Cookstown, *Tyrone, N. Ire.* 32 Kd
Coomacarrea, mt., *Kerry, Eire* 33 Ck
Cootehill, *Cavan, Eire* 32 Je
Copeland I., *Down, N. Ire.* 35 Ek
Copinsay, I., *Orkney, Scot.* 34 Lb
Coquet, R., *N'land., Eng.* 38 Eb
Corbridge, *N'land., Eng.* 38 Dc
Corby, *Northants., England* 37 Nd
Corcaigh, *see Cork*
Cork and co., *Eire* 33 Gk
Cork Harbour, *Cork, Eire* 33 Gk
Cornwall, co., *England* 36 Eh
Cornwall, C., *Cornwall, England* 36 Ch
Corrib, L., *Galway, Eire* 33 Eg
Corrofin, *Clare, Eire* 33 Eh
Corryvreckan, Str. of, *Argyll, Scotland* 35 Eg
Corsewall Pt., *Wigtown, Scotland* 35 Fj
Corsham, *Wilts., England* 37 Kf
Coruisk, L., *Skye, Scotland* 34 De
Corwen, *Merioneth, Wales* 36 Hc
Cotswold Hills, *Glos., England* 37 Ke
Coulagh B., *Cork, Eire* 33 Ck
Coulbeag, mt., *Ross., Scot.* 34 Fc
Coupar Angus, *Perth, Scot.* 35 Kf
Courtmacsherry, *Cork, Eire* 33 Fk
Coventry, *Warwick, Eng.* 37 Ld
Cowal, dist., *Argyll, Scot.* 35 Fg
Cowbridge, *Glam., Wales* 36 Hf
Cowdenbeath, *Fife, Scot.* 35 Kg
Cowes, *I. of Wight, Eng.* 37 Mg
Cowley, *Oxford, England* 37 Me
Coxwold, *Yorks., England* 38 Fd
Craigellachie, *Banff, Scot.* 34 Ke
Craighouse, *Jura, Scotland* 35 Eh
Crail, *Fife, Scotland* 35 Lg
Cranborne, *Dorset, Eng.* 37 Lg
Cranbrook, *Kent, England* 37 Rf
Cranleigh, *Surrey, England* 37 Nf
Cranswick, *Yorks., Eng.* 38 He
Cranwell, *Lincs., England* 38 Hf
Craven Arms, *Shrops., Eng.* 36 Jd
Crawford, *Lanark, Scotland* 35 Jj
Crawley, *Sussex, England* 37 Pf
Creag Meagaidh, mt., *Inverness, Scotland* 34 Gf
Crediton, *Devon, England* 36 Gg
Cree, R., *Kirkcud., Scot.* 35 Hk
Creetown, *Kirkcud., Scot.* 35 Hk
Crewe, *Cheshire, England* 38 Df
Crewkerne, *Somerset, Eng.* 36 Jg
Crianlarich, *Perth, Scot.* 35 Gg
Criccieth, *Caern., Wales* 36 Fc
Crickhowell, *Brecknock, Wales* 36 He
Cricklade, *Wilts., England* 37 Le
Crieff, *Perth, Scotland* 35 Jg
Criffell, mt., *Kirkcud., Scot.* 35 Jk
Crinan Canal, *Argyll, Scot.* 35 Fg
Croagh Patrick, mt., *Mayo, Eire* 32 Df
Croft, *Yorks., England* 38 Ed
Cromarty, *Ross., Scot.* 34 Jd
Cromarty Firth, *Ross and Cromarty, Scotland* 34 Hd
Cromer, *Norfolk, England* 37 Sc
Crook, *Durham, England* 38 Ec
Croom, *Limerick, Eire* 33 Fh
Cross Fell, *Cumberland, England* 38 Dc
Crosshaven, *Cork, Eire* 33 Gk
Crossmichael, *Kirkcudbright, Scot.* 35 Jk
Crossmolina, *Mayo, Eire* 32 Ee
Crowland, *Lincs., England* 38 Hg
Crowle, *Lincs., England* 38 Ge
Croydon, *London, England* 37 Pf
Cruden B., *Aberdeen, Scot.* 34 Ne
Crumlin, *Antrim, N. Ire.* 32 Ld
Crymmych Arms, *Pembroke, Wales* 36 Ee
Cuckfield, *Sussex, England* 37 Pf
Cuilcagh, mt., *Fermanagh, N. Ireland* 32 He
Cuillin Hills, *Skye, Scotland* 34 De
Cuillin Sd., *Skye, Scotland* 34 De
Culgaith, *Cumberland, Eng.* 38 Cc
Cullaun, pk., *Limerick, Eire* 33 Gh
Cullen, *Banff, Scotland* 34 Ld
Cullivoe, *Shetland, Scotland* 34 Qa
Cullompton, *Devon, Eng.* 36 Hg
Culter Fell, *Scotland* 35 Jh
Cumberland, co., *England* 38 Bc
Cumbrian mts., *Cumberland, etc., Eng.* 38 Bc
Cumnock, *Ayr, Scotland* 35 Hj
Cunningsburgh, *Shetland, Scotland* 34 Qb
Cupar, *Fife, Scotland* 35 Kg
Currane, L., *Kerry, Eire* 33 Ck
Curraun, *Mayo, Eire* 32 Df
Curraun Pen., *Mayo, Eire* 32 Df
Cushendall, *Antrim, N. Ire.* 32 Lc
Cushendun, *Antrim, N. Ire.* 32 Lc
Cutra, L., *Galway, Eire* 33 Fg
Cwmbran, *Mon.* 36 He

D

Dagenham, *London, England* 37 Qe
Dalbeattie, *Kirkcud., Scot.* 35 Jk
Dalkeith, *Midlothian, Scot.* 35 Kh
Dalkey, *Dublin, Eire* 33 Lg
Dalmally, *Argyll, Scotland* 35 Gg
Dalmellington, *Ayr, Scot.* 35 Hj
Dalry, *Ayr, Scotland* 35 Gh
Dalry, *Kirkcudbright, Scot.* 35 HJ
Dalrymple, *Ayr, Scotland* 35 Gj
Dalsetter, *Shetland, Scot.* 34 Qa
Dalton, *Lancs., England* 38 Bd
Dalwhinnie, *I'ness., Scot.* 34 Hf
Darlington, *Durham, Eng.* 38 Ec
Dart, R., *Devon, England* 36 Gg
Dartford, *Kent, England* 37 Qf
Dartmoor, *Devon, England* 36 Gg
Dartmouth, *Devon, Eng.* 36 Gh
Dartry Mts., *Leitrim-Sligo, Eire* 32 Ge
Darvel, *Ayr, Scotland* 35 Hh
Darwen, *Lancs., England* 38 De
Dava, *Moray, Scotland* 34 Je
Daventry, *Northants, Eng.* 37 Md
Dawlish, *Devon, England* 36 Hg
Deal, *Kent, England* 37 Sf
Dean, Forest of, *Gloucester, England* 36 Je
Debenham, *Suffolk, Eng.* 37 Sd
Deddington, *Oxford, Eng.* 37 Le
Dee, R., *Aberdeen, Scot.* 34 Me
Dee, R., *Denb., etc., Wales* 36 Hb
Dee, R., *Kirkcud., Scot.* 35 Jk
Deel, R., *Limerick, Eire* 33 Fh
Denbigh and co., *Wales* 36 Hb
Denny, *Stirling, Scotland* 35 Jg
Deptford, *Wilts., England* 37 Lf
Derby, *Derby, England* 38 Eg
Derby, co., *England* 38 Ef
Derg, L., *Donegal, Eire* 32 Hd
Derg, L., *Tipperary, etc., Eire* 33 Gh
Derg, R., *Donegal, etc., Eire-N. Ireland* 32 Hd
Derravaragh, L., *Westmeath, Eire* 32 Jf
Derry, *see* Londonderry
Derryveagh mts., *Donegal, Eire* 32 Gd
Derwent, R., *N'land., Eng.* 38 Dc
Derwent, R., *Yorks., Eng.* 38 Ge
Derwent Water, *Cumberland, England* 38 Bc
Desborough, *Northants, England* 37 Nd
Deveron, R., *Banff, Scot.* 34 Ld
Devil's Bit mt., *Tipperary, Eire* 33 Hh
Devil's Bridge, *Cardigan, Wales* 36 Gd
Devil's Elbow, *Aberdeen, Scotland* 35 Kf
Devil's Hole, *North Sea* 30 Hd
Devizes, *Wilts., England* 37 Lf
Devon, co., *England* 36 Gg
Devon, R., *Perth, etc., Scotland* 35 Jg
Devonport, *Devon, England* 36 Fh
Dewsbury, *Yorks., England* 38 Ee
Dinas Mawddwy, *Mer., Wales* 36 Gc
Dingle and B., *Kerry, Eire* 33 Cj
Dingwall, *Ross, Scotland* 34 Hd
Diss, *Norfolk, England* 37 Sd
Distington, *Cumb., Eng.* 38 Ac
Docking, *Norfolk, England* 37 Rc
Dodman Pt., *Corn., Eng.* 36 Eh
Dolgellau, *Wales* 36 Gc
Dollar, *Clack., Scotland* 35 Jg
Dollar Law, *Peebles, Scot.* 35 Kh
Don, R., *Aberdeen, Scot.* 34 Le
Don, R., *Yorks., etc., Eng.* 38 Fe
Donaghadee, *Down, N. Ireland* 32 Md
Donard, *Wicklow, Eire* 33 Kg
Doncaster, *Yorks., Eng.* 38 Fe
Donegal and co., *Eire* 32 Gd
Donegal B., *Donegal-Sligo, Eire* 32 Fd
Donegal Pt., *Clare, Eire* 33 Dh
Doneraile, *Cork, Eire* 33 Fj
Donington, *Lincs., Eng.* 38 Hg
Doon, L. and R., *Ayr, Scot.* 35 Hj
Dorchester, *Dorset, Eng.* 36 Kg
Dorking, *Surrey, England* 37 Pf
Dorking Gap, *Surrey, Eng.* 37 Pf
Dornie, *Ross, Scotland* 34 Fe
Dornoch, *Sutherland, Scot.* 34 Hd
Dornoch Firth, *Suth., etc., Scotland* 34 Hd
Dorset, co., *England* 36 Jg
Douglas, *Isle of Man* 38 Ld
Douglas, *Lanark, Scotland* 35 Jh
Doulus Hd., *Kerry, Eire* 33 Ck
Doune, *Perth, Scotland* 35 Hg
Dounreay, *Caith., Scot.* 34 Jb
Dover, *Kent, England* 37 Sf
Dover, Strait of, *England-France* 37 Sg
Dovercourt, *Essex, Eng.* 37 Se
Dowlais, *Glam., Wales* 36 He
Down, co., *N. Ireland* 32 Le
Downham Market, *Norfolk, England* 37 Qc
Downpatrick, *Down, N. Ireland* 32 Me
Downpatrick Hd., *Mayo, Eire* 32 Ee
Downton, *Wilts., England* 37 Lg
Dowsing Lightship, *North Sea* 31 Hg
Drem, *E. Lothian, Scot.* 35 Lg
Drimoleague, *Cork, Eire* 33 Ek
Drogheda, *Louth, Eire* 32 Lf
Drogheda B., *Louth-Meath, Eire* 32 Lf
Droitwich, *Worcs., Eng.* 37 Kd
Dromara, *Down, N. Ire.* 32 Me
Dromod, *Leitrim, Eire* 32 Hf
Dromore, *Down, N. Ire.* 32 Le
Dromore, *Sligo, Eire* 32 Fe
Dromore, *Tyrone, N. Ire.* 32 Jd
Dronfield, *Derby, England* 38 Ef
Drum Hills, *Waterford. Eire* 33 Hj
Drumlish, *Longford, Eire* 32 Hf
Drummore, *Wig., Scotland* 35 Gk
Drumnadrochit, *Inverness, Scotland* 34 He
Drumochter Pass, *Perth, Scotland* 35 Hf
Drumshambo, *Leitrim, Eire* 32 Ge
Drymen, *Stirling, Scot.* 35 Hg
Dubh Artach Lt. Ho., *Atlantic Oc.* 35 Cg
Dublin and co., *Eire* 33 Lg
Dudgeon Lightship, *North Sea* 31 Hg
Dudley, *Worcs., England* 37 Kc
Dufftown, *Banff, Scotland* 34 Ke
Dulverton, *Somerset, Eng.* 36 Gf
Dumbarton, *Dunb., Scot.* 35 Gh
Dumfries and co., *Dumf., Scotland* 35 Jj
Dunany Pt., *Louth, Eire* 32 Lf
Dunbarton, co., *Scotland* 35 Gg
Dunblane, *Perth, Scotland* 35 Jg
Dunboyne, *Meath, Eire* 33 Lg
Duncannon, *Wexford, Eire* 33 Ki
Duncansby Hd., *Caithness, Scotland* 34 Kb
Dundalk, *Louth, Eire* 32 Le
Dundalk B., *Louth, Eire* 32 Lf
Dun Dealgan, *see* Dundalk
Dundee, *Angus, Scotland* 35 Lg
Dundrum and B., *Down, N. Ireland* 32 Me
Dunfanaghy, *Donegal, Eire* 32 Hc
Dunfermline, *Fife, Scot.* 35 Kg
Dungannon, *Tyrone, N. Ire.* 32 Kd
Dungarvan and Harb., *Waterford, Eire* 33 Hj
Dungeness, *Kent, England* 37 Rg
Dungiven, *Londonderry, N. Ireland* 32 Kd
Dungloe, *Donegal, Eire* 32 Gd
Dunkeld, *Perth, Scotland* 35 Jf
Dunkery Beacon, *Somerset, England* 36 Gf
Dunlaoghaire, *Dublin, Eire* 33 Lg
Dunlavin, *Wicklow, Eire* 33 Kg
Dunlop, *Ayr, Scotland* 35 Gh
Dunmanus B., *Cork, Eire* 33 Dk
Dunmanway, *Cork, Eire* 33 Ek
Dunmore, *Galway, Eire* 32 Ff
Dunmow, Great, *Essex, England* 37 Qe
Dunnet B., *Caithness, Scot.* 34 Kb
Dunnet Hd., *Caith., Scot.* 34 Kb
Dunoon, *Argyll, Scotland* 35 Gh
Duns, *Berwick, Scotland* 35 Mh
Dunstable, *Bedford, Eng.* 37 Ne
Dunster, *Somerset, Eng.* 36 Hf
Dunvegan, *Skye, Scotland* 34 Ce
Dunvegan, L., *Skye, Scot.* 34 Cd
Durham and co., *England* 38 Ec
Durness, and Kyle of, *Sutherland, Scotland* 34 Gb
Durrow, *Leix, Eire* 33 Jh
Dursey I., and Hd., *Cork, Eire* 33 Ck
Dursley, *Gloucester, Eng.* 36 Ke
Durston, *Somerset, Eng.* 36 Hf
Dyce, *Aberdeen, Scotland* 34 Me
Dyfi, R., *Mont., Wales* 36 Gc
Dymchurch, *Kent, England* 37 Sf
Dysart, *Fife, Scotland* 35 Kg

E

Eagle, I., *Mayo, Eire* 32 Ce
Eagles Nest, mt., *Kerry, Eire* 33 Dk
Ealing, *London, England* 37 Pe
Eardisley, *Hereford, Eng.* 36 Jd
Earith, *Hunts., England* 37 Qd
Earlestown, *Lancs., England* 38 Cf
Earls Colne, *Essex, Eng.* 37 Re
Earlston, *Berwick, Scot.* 35 Lh
Earn, L., *Perth, Scotland* 35 Hg
Earn, R., *Perth, Scotland* 35 Jg
Easington, *Durham, Eng.* 38 Fc
Easingwold, *Yorks., Eng.* 38 Fd
Eask, L., *Donegal, Eire* 32 Gd
Eastbourne, *Sussex, Eng.* 37 Qg
East Dereham, *Norf., Eng.* 37 Rc
East Grinstead, *Sussex, England* 37 Pf
East Harling, *Norf., Eng.* 37 Rd
East Kilbride, *Lanark, Scot.* 35 Hh
Eastleigh, *Hants., England* 37 Mg
East Looe, *Cornwall, Eng.* 36 Fh
East Lothian, co., *Scotland* 35 Lh
East Retford, *Notts., Eng.* 38 Gf
East Riding, div., *Yorks., England* 38 Ge
Eastry, *Kent, England* 37 Sf
East Suffolk, div., *Suffolk, England* 37 Sd
East Sussex, div., *Sussex, England* 37 Qg
Ebbw Vale, *Mon.* 36 He
Ecclefechan, *Dumf., Scot.* 35 Kj
Eccles, *Lancs., England* 38 Df
Eccleshall, *Staffs., England* 38 Dg
Echt, *Aberdeen, Scotland* 34 Me
Eck, L., *Argyll, Scotland* 35 Gg
Eckington, *Derby, England* 38 Ef
Eday, I., *Orkney, Scotland* 34 La
Eddleston, *Peebles, Scot.* 35 Kh
Eddrachillis B., *Sutherland, Scotland* 34 Fc
Eddystone Lt. Ho., *Corn., England* 36 Fh
Eden, R., *Cumb., England* 38 Cc
Edenbridge, *Kent, England* 37 Pf
Edenderry, *Offaly, Eire* 33 Jg
Edge Hill, *Warwick, Eng.* 37 Ld
Edgeworthstown. *See* Mostrim
Edgware, *London, England* 37 Pe
Edinburgh, *M'loth., Scot.* 35 Kh
Edzell, *Angus, Scotland* 35 Lf
Egilsay, *Orkney, Scotland* 34 La
Egremont, *Cumb., England* 38 Bd
Egton, *Yorks., England* 38 Gd
Eigg, I., *Inverness, Scotland* 35 Df
Eil, L., *Inverness, Scotland* 35 Ff
Eire. See Ireland, Republic of
Elgin, *Moray, Scotland* 34 Kd
Elham, *Kent, England* 37 Sf
Elie, *Fife, Scotland* 35 Lg
Ellesmere, *Shrops., Eng.* 36 Jc
Ellesmere Port, *Cheshire, England* 38 Cf
Ellon, *Aberdeen, Scotland* 34 Me
Elphin, *Roscommon, Eire* 32 Gf
Ely, *Cambridge, England* 37 Qd
Embleton, *N'land., Eng.* 38 Ea
Emsworth, *Hants., England* 37 Ng
Enard B., *Ross, Scotland* 34 Fc
Enfield, *London, England* 37 Pe
Ennell, L., *Westmeath, Eire* 33 Jg
Ennis, *Clare, Eire* 33 Fh
Enniscorthy, *Wexford, Eire* 33 Kh
Enniscrone, *Sligo, Eire* 32 Ee
Enniskillen, *Fermanagh, N. Ireland* 32 He
Ennistyion, *Clare, Eire* 33 Eh
Epping, *Essex, England* 37 Qe
Epping Forest, *Essex, Eng.* 37 Qe
Epsom, *Surrey, England* 37 Pf
Epworth, *Lincs., England* 38 Ge
Eriboll, L., *Suth., Scotland* 34 Gb
Ericht, L., *Perth etc., Scot.* 35 Hf
Eriskay, I., *S. Uist, Scot.* 34 Be
Erne, L., *Fermanagh, N. Ire.* 32 He
Erne, L., Upper, *Fermanagh, N. Ireland* 32 He
Erne, R., *Donegal, Eire* 32 Ge
Errigal, mt., *Donegal, Eire* 32 Gc
Erris, Hd., *Mayo, Eire* 32 Ce
Esk, R., *M'loth., Scotland* 35 Kh
Esk, N. and S., Rs., *Angus, etc., Scotland* 35 Lf
Essex, co., *England* 37 Qe
Etive, L., *Argyll, Scotland* 35 Fg
Eton, *Bucks., England* 37 Nf
Ettrick, R., *Selkirk, Scot.* 35 Kj
Ettrick Pen., hill, *Dumfries, Scotland* 35 Kj
Evesham, *Worcester, Eng.* 37 Ld
Evesham, Vale of, *Warwick-Worcester, England* 37 Ld
Ewe, L., *Ross, Scotland* 34 Ed
Exe, R., *Devon-Somerset, England* 36 Gg
Exeter, *Devon, England* 36 Gg
Exminster, *Devon, England* 36 Hg
Exmoor, *Somerset, England* 36 Gf
Exmouth, *Devon, England* 36 Hg
Exton, *Somerset, England* 36 Gf
Eye, *Suffolk, England* 37 Sd
Eye Pen., *Lewis, Scotland* 34 Dc
Eyemouth, *Berwick, Scot.* 35 Mh
Eyrecourt, *Galway, Eire* 33 Gg

F

Fair Hd., *Antrim, N. Ire.* 32 Lc
Fair Isle, *Scotland* 30 Fa
Fairford, *Gloucester, Eng.* 37 Le
Faither, The, *Shet., Scot.* 34 Pa
Fakenham, *Norfolk, Eng.* 37 Rc
Falkirk, *Stirling, Scotland* 35 Jh
Falkland, *Fife, Scotland* 35 Kg
Falmouth and B., *Cornwall, England* 36 Dh
Fanad Hd., *Donegal, Eire* 32 Hc
Fannich, L., *Ross, Scotland* 34 Fd
Fareham, *Hants., England* 37 Mg
Faringdon, *Berks., England* 37 Le
Farnborough, *Hants., Eng.* 37 Nf
Farnborough, *London, Eng.* 37 Qf
Farne Deep, *North Sea* 30 Ge
Farne Is., *N'land., England* 38 Ea
Farnham, *Surrey, England* 37 Nf
Farnworth, *Lancs., England* 38 De
Fastnet Rock, *Cork, Eire* 33 Dl
Faversham, *Kent, England* 37 Rf
Fawley, *Hants., England* 37 Mg
Feale, R., *Kerry, Eire* 33 Dj
Fearn, *Ross, Scotland* 34 Jd
Feeagh, L., *Mayo, Eire* 32 Df
Felixstowe, *Suffolk, Eng.* 37 Se
Fenit, *Kerry, Eire* 33 Dj
Fenny Stratford, *Bucks., England* 37 Nd
Fens, The, *dist., England* 37 Pd
Fermanagh, co., *N. Ireland* 32 He
Fermoy, *Cork, Eire* 33 Gj
Fernhurst, *Sussex, England* 37 Nf
Ferns, *Wexford, Eire* 33 Lh
Fethard, *Tipperary, Eire* 33 Hj
Fetlar, I., *Shetland, Scot.* 34 Ra
Ffestiniog, *Mer., Wales* 36 Gc
Fife, co., *Scotland* 35 Kg
Fife Ness, *Fife, Scotland* 35 Lg
Filey, *Yorks., England*

Foinaven, mt., *Suth., Scot.* 34 Gc
Folkestone, *Kent, England* 37 Sf
Folkingham, *Lincs., Eng.* 38 Gg
Fordingbridge, *Hants., England* 37 Lg
Foreland Pt., *Devon, Eng.* 36 Gf
Forest of Atholl, *Perth, Scotland* 35 Hf
Forfar, *Angus, Scotland* 35 Lf
Forlorn Pt., *Wexford, Eire* 33 Kj
Formby and Pt., *Lancs., England* 38 Be
Forres, *Moray, Scotland* 34 Jd
Fort Augustus, *I'ness, Scot.* 34 Ge
Fort George, *I'ness., Scot.* 34 Hd
Forth, Firth of, *Scotland* 35 Lg
Forth, R., *Scotland* 35 Hg
Fortrose, *Ross, Scotland* 34 Hd
Fort William, *I'ness., Scot.* 35 Ff
Fotheringhay, *Northants, England* 37 Nc
Foula, I., *Shetland, Scotland* 30 Ha
Foulness I., *Essex, England* 37 Re
Foulsham, *Norfolk, England* 37 Rc
Fovant, *Wilts., England* 37 Kf
Fowey, *Cornwall, England* 36 Eh
Foxford, *Mayo, Eire* 32 Ef
Foyers and Falls of, *I'ness, Scotland* 34 He
Foyle, L., *Eire-N. Ireland* 32 Jc
Foyle, R., *Londonderry, etc., Eire-N. Ireland* 32 Jd
Foynes, *Limerick, Eire* 33 Eh
Framlingham, *Suffolk, Eng.* 37 Sd
Frankford, *Offaly, Eire* 33 Hg
Fraserburgh, *A'deen, Scot.* 34 Nd
Frenchpark, *Roscommon, Eire* 32 Gf
Freshford, *Kilkenny, Eire* 33 Jh
Frinton-on-Sea, *Essex, Eng.* 37 Se
Frockheim, *Angus, Scot.* 35 Lf
Frome, *Somerset, England* 36 Kf
Frome, R., *Dorset, Eng.* 37 Kg
Funzie, *Shetland, Scotland* 34 Ra
Furness, dist., *Lancs., Eng.* 38 Bd
Fyne, L., *Argyll, Scotland* 35 Fg

G

Gaerwen, *Anglesey, Wales* 36 Fb
Gaillimh, see Galway
Gainsborough, *Lincs., Eng.* 38 Gf
Gairloch, *Ross, Scotland* 34 Ed
Gairlochy, *I'ness, Scotland* 34 Ff
Gairn, R., *A'deen, Scot.* 34 Ke
Gala, R., *M'loth., etc., Scot.* 35 Lh
Galashiels, *Selkirk, Scotland* 35 Lh
Galgate, *Lancs., England* 38 Ce
Galley Hd., *Cork, Eire* 33 Fk
Galloway, dist., *Scotland* 35 Gk
Galloway, Mull of, *Wigtown, Scotland* 35 Gk
Galston, *Ayr, Scotland* 35 Hh
Galtee mts., *Limerick, etc., Eire* 33 Gj
Galtymore, mt., *Limerick, etc., Eire* 33 Gj
Galway and co., *Eire* 33 Eg
Galway B., *Clare-Galway, Eire* 33 Eg
Ganton, *Yorks., England* 38 Gd
Gara, L., *Sligo, Eire* 32 Gf
Garelochhead, *Dunbarton, Scotland* 35 Gg
Garron Pt., *Antrim, N. Ire.* 32 Mc
Garry, L., *Perth, Scotland* 35 Hf
Garth, *Brecknock, Wales* 36 Hd
Garstang, *Lancs., England* 38 Ce
Garvagh, *Londonderry, N. Ireland* 32 Kd
Garve, *Ross, Scotland* 34 Gd
Gatehouse-of-Fleet, *Kircudbright, Scotland* 35 Hk
Gateshead, *Durham, Eng.* 38 Ec
Giant's Causeway, *Antrim, N. Ireland* 32 Kc
Gifford, *E. Lothian, Scot.* 35 Lh
Gigha, I., *Argyll, Scotland* 35 Eh
Gill, L., *Sligo, Eire* 32 Ge
Gillingham, *Dorset, Eng.* 37 Kf
Gillingham, *Kent, England* 37 Rf
Girdle Ness, *A'deen, Scot.* 34 Me
Girvan and R., *Ayr, Scot.* 35 Gj
Glamis, *Angus, Scotland* 35 Kf
Glamorgan, co., *Wales* 36 Ge
Glanaruddery mts., *Kerry, Eire* 33 Ej
Glasgow, *Lanark, Scotland* 35 Hh
Glas Maol, mt., *Angus, Scotland* 35 Kf
Glass L., *Ross, Scotland* 34 Hd
Glastonbury, *Som., Eng.* 36 Jf
Glen Affric, *I'ness, Scot.* 34 Ge
Glen App, *Ayr, Scotland* 35 Gj
Glenarm, *Antrim, N. Ire.* 32 Md
Glenbarr, *Argyll, Scotland* 35 Eh
Glen Cannich, *I'ness, Scot.* 34 Ge
Glen Carron, *I'ness, Scot.* 34 Fe
Glen Clova, *Angus, Scot.* 35 Kf
Glencoe, *Argyll, Scotland* 35 Gf
Glendowan mts., *Donegal, Eire* 32 Gd
Gleneagles, *Perth, Scotland* 35 Jg
Glenelg, *I'ness, Scotland* 34 Ee
Glen Farg, *Perth, Scotland* 35 Kg
Glenfinnan, *I'ness, Scotland* 35 Ff
Glengad Hd., *Donegal, Eire* 32 Jc
Glengariff, *Cork, Eire* 33 Dk
Glen Garry, *I'ness, Scot.* 34 Ge
Glen Garry, *Perth, Scot.* 35 Hf
Glenluce, *Wigtown, Scot.* 35 Gk
Glen Lyon, *Perth, Scotland* 35 Hf
Glen More, *I'ness, Scotland* 34 Ge
Glen Moriston, *I'ness, Scot.* 34 Ge
Glenamaddy, *Galway, Eire* 32 Ff
Glen Orchy, *Argyll, Scot.* 35 Gg
Glenrothes, *Fife, Scotland* 35 Kg
Glen Shee, *Perth, Scotland* 35 Kf
Glen Spean, *I'ness, Scot.* 35 Gf
Glenties, *Donegal, Eire* 32 Gd
Glen Urquhart, *Inverness, Scotland* 34 Ge
Glin, *Limerick, Eire* 33 Eh
Glomach, Fall of, *Ross, Scotland* 34 Fe
Glossop, *Derby, England* 38 Ef
Gloucester and co., *Eng.* 37 Ke
Glyndebourne, *Sussex, England* 37 Qg
Goat Fell, mt., *Arran, Scot.* 35 Fh
Godalming, *Surrey, Eng.* 37 Nf
Godmanchester, *Hunts., England* 37 Pd
Godshill, *I. of Wight, Eng.* 37 Mg
Gog Magog Hills, *Cambs.-Suffolk, England* 37 Qd
Goil, L., *Argyll-Dunbarton, Scotland* 35 Gg
Golden Vale, *Tipperary-Limerick, Eire* 33 Gh
Golspie, *Sutherland, Scot.* 34 Jd
Goodwin Sands, *North Sea* 37 Tf
Goole, *Yorks., England* 38 Ge
Gorebridge, *M'loth., Scot.* 35 Kh
Gorey, *Jersey, Channel Is.* 37 Kl
Gorey, *Wexford, Eire* 33 Lh
Goring, *Oxford, England* 37 Me
Gorleston, *Suffolk, England* 37 Tc
Gort, *Galway, Eire* 33 Fg
Gorumna I., *Galway, Eire* 33 Dg
Gosforth, *Cumb., England* 38 Bd
Gosforth, *N'land, England* 38 Eb
Gosport, *Hants., England* 37 Mg
Gourock, *Renfrew, Scot.* 35 Gh
Gower, pen., *Glam., Wales* 36 Fe
Gowna, L., *Longford, Eire* 32 Hf
Gowrie, Carse of, *Perth, Scotland* 35 Kg
Graigue, *Leix, Eire* 33 Kh
Graiguenamanagh, *Kilkenny, Eire* 33 Jh
Grain, *Kent, England* 37 Rf
Grampian mts., *Scotland* 35 Gg
Grampound, *Corn., Eng.* 36 Eh
Granard, *Longford, Eire* 32 Jf
Grand Canal, *Eire* 33 Jg
Graney, L., *Clare, Eire* 33 Fh
Grangemouth, *Stirl., Scot.* 35 Jg
Grange-over-Sands, *Lancs., England* 38 Cd
Grantham, *Lincs., England* 38 Gg
Granton, *M'loth., Scotland* 35 Kh
Grantown-on-Spey, *Moray, Scotland* 34 Je
Grasmere, *W'land., Eng.* 38 Bd
Gravesend, *Kent, England* 37 Qf
Grays, *Essex, England* 37 Qf
Great Blasket I., *Kerry, Eire* 33 Bj
Great Crosby, *Lancs., Eng.* 38 Bf
Great Cumbrae, I., *Bute, Scotland* 35 Gh
Great Driffield, *Yorks., England* 38 Hd
Great Dunmow, *Essex, England* 37 Qe
Great Malvern, *Worcester, England* 36 Kd
Great Ormes Hd., *Caern., Wales* 36 Gb
Great Rowsley, *Derby, Eng.* 38 Ef
Great Torrington, *Devon, England* 36 Fg
Great Yarmouth, *Norfolk, England* 37 Tc
Gt. Whernside, mt., *Yorks, England* 38 Ed
Greenlaw, *Berwick, Scot.* 35 Mh
Green Lowther, hill, *Lanark, Scotland* 35 Jj
Greenock, *Renfrew, Scot.* 35 Gh
Greenore, *Louth, Eire* 32 Le
Greenore Pt., *Wexford, Eire* 33 Lj
Greenstone Pt., *Ross, Scotland* 34 Ed
Greenwich, *London, Eng.* 37 Qf
Gretna Green, *Dumfries, Scotland* 35 Kk
Greystones, *Wicklow, Eire* 33 Lg
Grimsby, *Lincs., Eng.* 38 He
Gruinard B., *Ross, Scotland* 34 Ed
Grutness, *Shetland, Scot.* 34 Qc
Guernsey, I., *Channel Is.* 37 Jk
Guildford, *Surrey, England* 37 Nf
Guisborough, *Yorks., Eng.* 38 Fc
Gullane, *E. Lothian, Scot.* 35 Lg
Gunnislake, *Cornwall, Eng.* 36 Ff
Guyhirne, *Camb., England* 37 Qc
Gweebarra B., *Donegal, Eire* 32 Gd

H

Haddington, *E. Lothian, Scotland* 35 Lh
Hadleigh, *Suffolk, England* 37 Rd
Hags Hd., *Clare, Eire* 33 Eh
Hailsham, *Sussex, England* 37 Qg
Halesworth, *Suffolk, Eng.* 37 Sd
Halifax, *Yorks., England* 38 Ee
Halkirk, *Caithness, Scot.* 34 Jb
Halstead, *Essex, England* 37 Re
Haltwhistle, *N'land., Eng.* 38 Dc
Hamilton, *Lanark, Scotland* 35 Hh
Hampshire (Hants.), co., *England* 37 Mf
Handley, *Dorset, England* 37 Kg
Hanley, *Staffs., England* 37 Kb
Hard Deep, *Channel Is.* 31 Ak
Harlech, *Merioneth, Wales* 36 Fc
Harleston, *Norfolk, Eng.* 37 Sd
Harlow, *Essex, England* 37 Qe
Harmerhill, *Shrops., Eng.* 36 Jc
Haroldswick, *Shet., Scot.* 34 Ra
Harpenden, *Herts., Eng.* 37 Pe
Harray, L. of, *Orkney, Scot.* 34 Ka
Harris, *Outer Hebrides, Scotland* 34 Cd
Harris, Sd. of, *Outer Hebrides, Scotland* 34 Bd
Harrogate, *Yorks., England* 38 Ee
Harrold, *Bedford, England* 37 Nd
Harrow, *London, England* 37 Pe
Hart Fell, hill, *Dumfries, Scotland* 35 Kj
Hartland, *Devon, England* 36 Fg
Hartland Pt., *Devon, Eng.* 36 Ef
Hartlepool, *Durham, Eng.* 38 Fc
Harwell, *Berks., England* 37 Me
Harwich, *Essex, England* 37 Se
Haslemere, *Surrey, Eng.* 37 Nf
Hastings, *Sussex, England* 37 Rg
Hatfield, *Herts., England* 37 Pe
Hatfield, *Yorks., England* 38 Fe
Hatherleigh, *Devon, Eng.* 36 Fg
Hathersage, *Derby, Eng.* 38 Ef
Havant, *Hants., England* 37 Mg
Haverfordwest, *Pembroke, Wales* 36 Ee
Haverhill, *Suffolk, England* 37 Qd
Hawarden, *Flint, Wales* 36 Hb
Hawes, *Yorks., England* 38 Dd
Hawick, *Roxburgh, Scotland* 35 Lj
Hawkhurst, *Kent, England* 37 Rf
Hawkshead, *Lancs., Eng.* 38 Bd
Hayle, *Cornwall, England* 36 Dh
Hayling I., *Hants., Eng.* 37 Ng
Hay-on-Wye, *Brecknock, Wales* 36 Hd
Headcorn, *Kent, England* 37 Rf
Headford, *Galway, Eire* 33 Eg
Heathfield, *Sussex, Eng.* 37 Qg
Hebrides, Outer, Is., *Scot.* 34 Ae
Hedon, *Yorks., England* 38 He
Helensburgh, *Dunb., Scot.* 35 Gg
Helmdon, *Northants., Eng.* 37 Md
Helmsdale and R., *Suth., Scotland* 34 Jc
Helmsley, *Yorks., England* 38 Fd
Helston, *Cornwall, Eng.* 36 Dh
Helvellyn, mt., *Cumb., Eng.* 38 Cc
Helvick Hd., *Waterford, Eire* 33 Hj
Hemel Hempstead, *Herts., England* 37 Pe
Henley-on-Thames, *Oxford, England* 37 Me
Heoga Ness, *Shet., Scot.* 34 Qb
Hereford and co., *England* 36 Jd
Herma Ness, *Shet., Scot.* 34 Ra
Herne Bay, *Kent, Eng.* 37 Rf
Herstmonceux, *Sussex, England* 37 Qg
Hertford, *Herts., England* 37 Pe
Hertford (Herts), co., *Eng.* 37 Pe
Hetton-le-Hole, *Durham, England* 38 Fc
Hexham, *N'land, England* 38 Dc
Heysham, *Lancs., England* 38 Cd
Heytesbury, *Wilts., Eng.* 37 Kf
High Force, *Durham, Eng.* 38 Dc
HighWycombe, *Bucks., England* 37 Ne
Hillswick, *Shetland, Scot.* 34 Pb
Hinckley, *Leicester, Eng.* 37 Mc
Hindley, *Lancs., England* 38 Ce
Hindon, *Wilts., England* 37 Kf
Hingham, *Norfolk, England* 37 Rc
Hitchin, *Herts., England* 37 Pe
Hodder, R., *Yorks., Eng.* 38 De
Hoddesdon, *Herts., Eng.* 37 Qe
Holbeach and Marsh, *Lincs., England* 38 Jg
Holland, div., *Lincs., Eng.* 38 Hg
Holme, *Huntingdon, Eng.* 37 Pd
Holmfirth, *Yorks., England* 38 Ee
Holsworthy, *Devon, Eng.* 36 Fg
Holt, *Denbigh, Wales* 36 Jb
Holt, *Norfolk, England* 37 Sc
Holy I., *Anglesey, Wales* 36 Eb
Holy I., *N'land., England* 38 Ea
Holyhead, *Anglesey, Wales* 36 Eb
Holywell, *Flint, Wales* 36 Hb
Holywood, *Down, N. Ire.* 32 Md
Honiton, *Devon, England* 36 Hg
Hook Hd., *Wexford, Eire* 33 Kj
Horley, *Surrey, England* 37 Pf
Horn Hd., *Donegal, Eire* 32 Gc
Horncastle, *Lincs., England* 38 Hf
Horndean, *Hants., England* 37 Mg
Hornsea, *Yorks., England* 38 He
Horsham, *Norfolk, Eng.* 37 Sc
Horsham, *Sussex, England* 37 Pf
Horwich, *Lancs., England* 38 Ce
Hospital, *Limerick, Eire* 33 Gj
Hounslow, *London, Eng.* 37 Pf
Hourn, L., *Inverness, Scot.* 34 Ee
Hove, *Sussex, England* 37 Pg
Howden, *Yorks., England* 38 Ge
Howden Res., *Derby-Yorks., England* 38 Ef
Howth, *Dublin, Eire* 33 Lg
Howth Hd., *Dublin, Eire* 36 Bb
Hoy I., *Orkney, Scotland* 34 Kb
Hoy Sd., *Orkney, Scotland* 34 Kb
Hoylake, *Cheshire, England* 38 Bf
Hucknall Torkard, *Notts., England* 38 Ff
Huddersfield, *Yorks., Eng.* 38 Ee
Hugh Town, *Scilly Is., Eng.* 36 Bj
Hull and R., *Yorks., Eng.* 38 He
Humber, R., *Lincs.-Yorks., England* 38 He
Hungerford, *Berks., Eng.* 37 Lf
Hunmanby, *Yorks., Eng.* 38 Hd
Hunstanton, *Norfolk, Eng.* 37 Qc
Huntingdon, *England* 37 Pd
Huntingdon and Peterborough, co., *Eng.* 37 Pd
Huntly, *Aberdeen, Scotland* 34 Le
Hurliness, *Orkney, Scot.* 34 Kb
Hutton Rudby, *Yorks., Eng.* 38 Fd
Hyde, *Cheshire, England* 38 Df
Hythe, *Hants., England* 37 Mg
Hythe, *Kent, England* 37 Rf

Iar Connaught, *Galway, Eire* 33 Eg
Ilchester, *Somerset, Eng.* 36 Jg
Ilford, *London, England* 37 Qe
Ilfracombe, *Devon, England* 36 Ff
Ilkeston, *Derby, England* 38 Fg
Ilkley, *Yorks., England* 38 Ee
Ilminster, *Somerset, Eng.* 36 Jg
Immingham, *Lincs., Eng.* 38 He
Inch, *Wexford, Eire* 33 Lh
Inchard, L., *Suth., Scotland* 34 Fc
Inchkeith, I., *Fife, Scotland* 35 Kg
Inchnadamph, *Suth., Scot.* 34 Gc
Indaal, L., *Islay, Scotland* 35 Dh
Ingatestone, *Essex, England* 37 Qe
Ingleborough, mt., *Yorks., England* 38 Dd
Ingleton, *Yorks., England* 38 Dd
Inishark, I., *Galway, Eire* 32 Cf
Inishbofin, I., *Donegal, Eire* 32 Gc
Inishbofin, I., *Galway, Eire* 32 Cf
Inisheer, I., *Aran Is., Eire* 33 Dg
Inishkea, I., *Mayo, Eire* 32 Ce
Inishmaan, I., *Aran Is., Eire* 33 Dg
Inishmore, I., *Aran Is., Eire* 33 Dg
Inishmurray, I., *Sligo, Eire* 32 Fe
Inishowen, *Donegal, Eire* 32 Jc
Inishowen Hd., *Donegal, Eire* 32 Kc
Inishtrahull, I., *Donegal, Eire* 32 Jc
Inishtrahull Sd., *Donegal, Eire* 32 Jc
Inishturk, I., *Mayo, Eire* 32 Cf
Inner Sd., *I'ness, Scotland* 34 Ee
Innerleithen, *Peebles, Scot.* 35 Kh
Inny R., *Longford, etc., Eire* 32 Hf
Insch, *Aberdeen, Scotland* 34 Le
Inveraray, *Argyll, Scotland* 35 Fg
Inverbervie, *Kinc., Scot.* 35 Mf
Invergorden, *Ross, Scot.* 34 Hd
Inverkeithing, *Fife, Scot.* 35 Kg
Inverness, *Inverness, Scot.* 34 He
Inverness, co., *Scotland* 34 Fe
Invershin, *Suth., Scotland* 34 Hd
Inverurie, *Aberdeen, Scot.* 34 Me
Iona, I., *Argyll, Scotland* 35 Dg
Ipswich, *Suffolk, England* 37 Sd
Ireland, Republic of, *W. Europe* 32–33
Ireland's Eye, I., *Dublin, Eire* 33 Lg
Irish Sea, *Gt. Britain-Ire.* 31 Dg
Ironbridge, *Shrops., Eng.* 36 Kc
Irthing, R., *Cumb., Eng.* 38 Cc
Irvine and R., *Ayr, Scot.* 35 Gh
Irvinestown, *Fermanagh, N. Ireland* 32 He
Isbister, *Shetland, Scotland* 34 Qa
Isla, R., *Angus, Scotland* 35 Kf
Island Magee, *Antrim, N. Ireland* 32 Md
Islay, I., *Argyll, Scotland* 35 Dh
Isle of Ely, div., *Cambridge, England* 37 Pc
Isle of Man 31 Ef
Isle of Wight, *Hants., Eng.* 37 Mg
Itchen, R., *Hants., England* 37 Mg
Ivybridge, *Devon, England* 36 Gh

J

Jarrow, *Durham, England* 38 Fc
Jedburgh, *Roxburgh, Scot.* 35 Lj
Jersey, I., *Channel Is.* 37 Kl
John o' Groats, *Caithness, Scotland* 34 Kb
Johnstone, *Renfrew, Scot.* 35 Gh
Johnstown, *Kildare, Eire* 33 Kg
Jones Bank, *Atlantic Oc.* 31 Bl
Joyce's Country, *Galway, Eire* 33 Df
Julianstown, *Meath, Eire* 32 Lf
Jura and Sd. of, *Argyll, Scotland* 35 Eg

K

Kanturk, *Cork, Eire* 33 Fj
Katrine, L., *Perth, Scotland* 35 Gg
Keady, *Armagh, N. Ireland* 32 Ke
Keeper Hill, *Tipperary, Eire* 33 Gh
Keighley, *Yorks., England* 38 Ee
Keith, *Banff, Scotland* 34 Ld
Kells, see Ceanannus Mor
Kells Range, *Kirkcudbright, Scotland* 35 Hj
Kelso, *Roxburgh, Scotland* 35 Mh
Kelvedon, *Essex, England* 37 Re
Ken, R., *Kircud., Scotland* 35 Hj
Kendal, *W'land, England* 38 Cd
Kenilworth, *Warwick, Eng.* 37 Ld
Kenmare, *Kerry, Eire* 33 Dk
Kenmare R., *Kerry-Cork, Eire* 33 Ck
Kenmore, *Perth, Scotland* 35 Jf
Kennet, R., *Berks.-Wilts., England* 37 Lf
Kennet, Vale of, *Berks., England* 37 Mf
Kent, co., *England* 37 Rf
Kent, Vale of, *Kent, Eng.* 37 Qf
Kentford, *Suffolk, England* 37 Qd
Kerry, co., *Eire* 33 Cj
Kerry Hd., *Kerry, Eire* 33 Dj
Kesteven, div., *Lincs., Eng.* 38 Gf
Keswick, *Cumb., England* 38 Bc
Kettering, *Northants., Eng.* 37 Nd
Key, L., *Roscommon, Eire* 32 Ge
Keynsham, *Somerset, Eng.* 36 Jf
Kidderminster, *Worcester, England* 37 Kd
Kidwelly, *Carm., Wales* 36 Fe
Kilbeggan, *Westmeath, Eire* 33 Jg
Kilbrannan Sd., *Scotland* 35 Fj
Kilcoole, *Wicklow, Eire* 36 Bb
Kilcullen, *Kildare, Eire* 33 Kg
Kildare, co., *Eire* 33 Kg
Kilfenora, *Clare, Eire* 33 Eh
Kilfinnane, *Limerick, Eire* 33 Gj
Kilgarvan, *Kerry, Eire* 33 Ek
Kilkee, *Clare, Eire* 33 Dh
Kilkeel, *Down, N. Ireland* 32 Me
Kilkenny and co., *Eire* 33 Jh
Kilkieran B., *Galway, Eire* 33 Dg
Kill, *Kildare, Eire* 33 Kg
Killala and B., *Mayo, Eire* 32 Ee
Killaloe, *Tipperary, Eire* 33 Gh
Killarney, *Kerry, Eire* 33 Dj
Killarney, Upper L., *Kerry, Eire* 33 Dk
Killary Harb., *Galway, Eire* 32 Df
Killeshandra, *Cavan, Eire* 32 He
Killiecrankie, *Perth, Scot.* 35 Jf
Killimor, *Galway, Eire* 33 Gg
Killin, *Perth, Scotland* 35 Hg
Killorglin, *Kerry, Eire* 33 Dj
Killybegs, *Donegal, Eire* 32 Gd
Killyleagh, *Down, N. Ire.* 32 Me
Kilmacthomas, *Waterford, Eire* 33 Jj
Kilmallock, *Limerick, Eire* 33 Fj
Kilmaluag, *Skye, Scotland* 34 Dd
Kilmarnock, *Ayr, Scotland* 35 Hh
Kilmartin, *Argyll, Scotland* 35 Fg
Kilmelfort, *Argyll, Scotland* 35 Fg
Kilninver, *Argyll, Scotland* 35 Fg
Kilrea, *Londonderry, N. Ire.* 32 Kd
Kilrush, *Clare, Eire* 33 Eh
Kilsyth, *Stirling, Scotland* 35 Hh
Kiltamagh, *Mayo, Eire* 32 Ff
Kilwinning, *Ayr, Scotland* 35 Gh
Kimbolton, *Hunts., Eng.* 37 Pd
Kinbrace, *Suth., Scotland* 34 Jc
Kincardine, co., *Scotland* 34 Lf
Kincardine-on-Forth, *Fife, Scotland* 35 Jg
Kincraig, *I'ness, Scotland* 34 Je
Kineton, *Warwick, England* 37 Md
Kingsbarns, *Fife, Scotland* 35 Lg
Kingsbridge, *Devon, Eng.* 36 Gh
Kingsclere, *Hants., Eng.* 37 Mf
Kingscourt, *Cavan, Eire* 32 Kf
King's Lynn, *Norfolk, Eng.* 37 Qc
Kingston-on-Thames, *London, England* 37 Pf
Kingswear, *Devon, England* 36 Gh
Kington, *Hereford, Eng.* 36 Hd
Kingussie, *I'ness, Scotland* 34 He
Kinlochewe, *Ross, Scotland* 34 Fd
Kinlochleven, *I'ness, Scot.* 35 Gf
Kinloch Rannoch, *Perth, Scotland* 35 Hf
Kinnairds Hd., *A'deen, Scot.* 34 Nd
Kinross and co., *Scotland* 35 Kg
Kinsale, *Cork, Eire* 33 Fk
Kintore, *A'deen, Scotland* 34 Me
Kintyre, dist., *Argyll, Scot.* 35 Eh
Kintyre, Mull of, *Argyll, Scotland* 35 Ej
Kinvarra, *Galway, Eire* 33 Fg
Kirkby, *W'land, England* 38 Cd
Kirkbymoorside, *Yorks., England* 38 Gd
Kirkby Stephen, *W'land., England* 38 Dd
Kirkcaldy, *Fife, Scotland* 35 Kg
Kirkcolm, *Wigtown, Scot.* 35 Fk
Kirkconnel, *Dumf., Scot.* 35 Hj
Kirkcudbright, *Kirkcud., Scotland* 35 Hk
Kirkcudbright, co., *Scot.* 35 Hj
Kirkham, *Lancs., England* 38 Ce
Kirkintilloch, *Dunb., Scot.* 35 Hh
Kirkoswald, *Cumb., Eng.* 38 Cc
Kirkpatrick, *Dumf., Scot.* 35 Kj
Kirkwall, *Orkney, Scotland* 34 Lb
Kirriemuir, *Angus, Scot.* 35 Kf
Kirton, *Lincs., England* 38 Gf
Knaresborough, *Yorks., England* 38 Fd
Knarsdale, *N'land, Eng.* 38 Cc
Knighton, *Radnor, Wales* 36 Hd
Knockboy, mt., *Cork-Kerry, Eire* 33 Ek
Knockbrack, mt., *Kerry, Eire* 33 Dk
Knocklayd, mt., *Antrim, N. Ireland* 32 Lc
Knockmealdown mts., *Tipperary, etc., Eire* 33 Gj
Knockowen, mt., *Cork, Eire* 33 Dk
Knottingley, *Yorks., Eng.* 38 Fe
Knutsford, *Cheshire, Eng.* 38 Df
Kyle, dist., *Ayr, Scotland* 35 Gh
Kyleakin, *Skye, Scotland* 34 Ee
Kyle of Lochalsh, *Ross, Scotland* 34 Ee

L

Labadie Bank, *Atlantic Oc.* 31 Bk
Ladybank, *Fife, Scotland* 35 Kg
Lagan, R., *Antrim-Down, N. Ireland* 32 Le
Laggan, *Inverness, Scotland* 34 He
Laggan, L., *Inverness, Scot.* 34 Hf
Lairg, *Sutherland, Scotland* 34 Hc
Lake District, *Cumb., etc., England* 38 Bc
Lambay I., *Dublin, Eire* 33 Mg
Lambourn, *Berks., England* 37 Mf
Lamb's Hd., *Kerry, Eire* 33 Ck
Lamington, *Lanark, Scot.* 35 Jh
Lamlash, *Arran, Scotland* 35 Fh
Lammermuir Hills, *E. Loth., Scotland* 35 Lh
Lampeter, *Cardigan, Wales* 36 Fd
Lanark, *Lanark, Scotland* 35 Jh
Lanark, co., *Scotland* 35 Jh
Lancashire (Lancs), co., *England* 38 Ce
Lancaster, *Lancs., England* 38 Cd
Land's End, *Corn., Eng.* 36 Ch
Langholm, *Dumf., Scotland* 35 Lj
Langport, *Somerset, Eng.* 36 Jf
Laoighis, co., *Eire, see* Leix
Laois, co., *see* Leix, *Eire*
Lapford, *Devon, England* 36 Gg
Larbert, *Stirling, Scotland* 35 Jg
Largo, *Fife, Scotland* 35 Lg
Largs, *Ayr, Scotland* 35 Gh
Larkhall, *Lanark, Scotland* 35 Jh
Larne, *Antrim, N. Ireland* 32 Md
Larne L., *Antrim, N. Ire.* 32 Md
Latheron, *Caithness, Scot.* 34 Kc
Lauder, *Berwick, Scotland* 35 Lh
Laugharne, *Carm., Wales* 36 Fe
Launceston, *Cornwall, Eng.* 36 Fg
Laune, R., *Kerry, Eire* 33 Dj
Laurencekirk, *Kincardine, Scotland* 35 Mf
Laxey, *Isle of Man* 38 Ld
Laxford, L., *Suth., Scotland* 34 Fc
Laxo, *Shetland, Scotland* 34 Qb
Laxton, *Notts., England* 38 Gf
Lea, R., *Herts., etc., Eng.* 37 Qe
Leadhills, *Lanark, Scotland* 35 Jj
Leagrave, *Bedford, England* 37 Ne
Leamington, *Warks., Eng.* 37 Ld
Leane, L., *Kerry, Eire* 33 Dj
Leatherhead, *Surrey, Eng.* 37 Nf
Lechlade, *Gloucester, Eng.* 37 Le
Ledbury, *Hereford, Eng.* 36 Kd
Lee, R., *Cork, Eire* 33 Fk
Leeds, *Yorks., England* 38 Ee
Leek, *Staffs., England* 37 Kb
Leicester and co., *England* 37 Mc
Leigh, *Lancs., England* 38 Ce
Leighlinbridge, *Carlow, Eire* 33 Kh
Leighton Buzzard, *Bedford, England* 37 Ne
Leinster, prov., *Eire* 31 Bg
Leinster, mt., *Carlow, Eire* 33 Kh
Leiston, *Suffolk, England* 37 Td
Leith, *M'loth, Scotland* 35 Kh
Leith Hill, *Surrey, England* 37 Pf
Leitrim, co., *Eire* 32 Ge
Leix, co., *Eire* 33 Hh
Leixlip, *Kildare, Eire* 33 Lg
Leominster, *Hereford, England* 36 Jd
Lerwick, *Shetland, Scotland* 34 Qb
Leslie, *Fife, Scotland* 35 Kg
Letchworth, *Herts., Eng.* 37 Pe
Letterfrack, *Galway, Eire* 33 Df
Letterkenny, *Donegal, Eire* 32 Hg
Leuchars, *Fife, Scotland* 35 Lg
Leven, *Fife, Scotland* 35 Kg
Leven, L., *Kinross, Scotland* 35 Kd
Leverburgh, *Harris, Scot.* 34 Bg
Lewes, *Sussex, England* 37 Pd
Lewis, I., *Scotland* 34 Cc
Lewis, Butt of, *Lewis, Scot.* 34 Db
Leyburn, *Yorks., England* 38 Ed
Lichfield, *Staffs., England* 37 Lc
Liddel, R., *Rox., etc., Scot.* 35 Lj
Liddesdale, *Roxburgh, Scot.* 35 Lj
Liffey, R., *Dublin-Kildare, Eire* 33 Kg
Lifford, *Donegal, Eire* 32 Jd
Lifton, *Devon, England* 36 Fg
Limavady, *Londonderry, N. Ireland* 32 Kc
Limerick and co., *Eire* 33 Fh
Lincoln, *Lincs., England* 38 Gf
Lincoln (Lincs), co., *Eng.* 38 Hf
Lincoln Edge, *Lincs., Eng.* 38 Gf
Lincoln Wolds, *Lincs., Eng.* 38 Hf
Lindsey, div., *Lincs., Eng.* 38 Hf
Linlithgow, *W. Loth., Scot.* 35 Jh
Linnhe, L., *Argyll, Scotland* 35 Ff
Linn of Dee, *A'deen, Scot.* 34 Jf
Lisburn, *Antrim, N. Ire.* 32 Ld
Lisconnor B., *Clare, Eire* 33 Eh
Lisdoonvarna, *Clare, Eire* 33 Eg
Liskeard, *Cornwall, Eng.* 36 Fh
Lismore, *Waterford, Eire* 33 Hj
Lismore, I., *Argyll, Scot.* 35 Ff
Lisnaskea, *Fermanagh, N. Ireland* 32 Je
Listowel, *Kerry, Eire* 33 Ej
Litcham, *Norfolk, England* 37 Rc
Litchfield, *Hants., England* 37 Lf
Little Halibut Bank, *North Sea* 30 Gb
Littlehampton, *Sussex, England* 37 Ng
Little Ouse R., *Norfolk, etc. England* 37 Qd
Little Petherick, *Cornwall, England* 36 Eg
Littleport, *Cambs., Eng.* 37 Qd
Little Walsingham, *Norfolk, England* 37 Rc
Liverpool, *Lancs., England* 38 Cf
Liverpool B., *Lancs., etc., England* 38 Be
Lizard and Pt., *Cornwall, England* 36 Dj
Llandaff, *Glam., Wales* 36 Hf
Llandilo, *Carm., Wales* 36 Ge
Llandovery, *Carm., Wales* 36 Ge
Llandrindod Wells, *Radnor, Wales* 36 Hd
Llandudno, *Caern., Wales* 36 Gb
Llandyssul, *Card., Wales* 36 Fd
Llanelli, *Carmarthen, Wales* 36 Fe
Llanerchymedd, *Anglesey, Wales* 36 Fb
Llanfair Caereinion, *Mont., Wales* 36 Hc
Llanfyllin, *Mont., Wales* 36 Hc
Llangadock, *Carm., Wales* 36 Ge
Llangefni, *Anglesey, Wales* 36 Fb
Llangerniew, *Denb., Wales* 36 Gb
Llangollen, *Denb., Wales* 36 Hc
Llanidloes, *Mont., Wales* 36 Gd
Llanllyfni, *Caern., Wales* 36 Fb
Llanrhaiadn, *Denb., Wales* 36 Hc
Llanrhystyd, *Card., Wales* 36 Fd
Llanrwst, *Denb., Wales* 36 Gb
Llantrisant, *Glam., Wales* 36 He
Llanwrtyd Wells, *Brecon., Wales* 36 Gd
Llanymynech, *Shrops., Eng.* 36 Hc
Lloyn Pen., *Caern., Wales* 36 Ec
Llwyngwril, *Mer., Wales* 36 Fc
Lochaber, dist., *Inverness, Scotland* 35 Gf
Loch a' chlair, *Suth., Scot.* 34 Hc
Lochaline, *Argyll, Scotland* 35 Ef
Lochboisdale, *S. Uist., Scotland* 34 Be
Lochbuie, *Mull, Scotland* 35 Eg
Lochcarron, *Ross, Scotland* 34 Ee
Lochearnhead, *Perth, Scot.* 35 Hg
Lochgelly, *Fife, Scotland* 35 Kg
Lochgoilhead, *Argyll, Scot.* 35 Gg
Lochinver, *Suth., Scotland* 34 Fc
Lochmaben, *Dumf., Scot.* 35 Kj
Lochmaddy, *N. Uist., Scot.* 34 Bd
Lochnagar, mt., *Aberdeen, Scotland* 34 Kf
Lochranza, *Arran, Scotland* 35 Fh
Lochy, L., *Inverness, Scot.* 34 Gf
Lockerbie, *Dumf., Scotland* 35 Kj
Loddon, *Norfolk, England* 37 Sc
Loftus, *Yorks., England* 38 Gc
Lomond Hills, *Fife, Scot.* 35 Kg
Lomond, L., *Dunb.-Stirl., Scotland* 35 Gg
London, *England* 37 Pf
Londonderry and co., *N. Ireland* 32 Jc
Long, L., *Argyll, Scotland* 35 Gg
Long Compton, *Warwick, England* 37 Ld
Long Eaton, *Derby, Eng.* 38 Fg
Longford and co., *Eire* 32 Hf
Long Forties, *North Sea* 30 Gc
Longhorsley, *N'land, Eng.* 38 Eb
Long Melford, *Suff., Eng.* 37 Rd
Longnor, *Staffs., England* 37 Lb
Longships Lt. Ho., *Corn., England* 36 Ch
Long Stratton, *Norf., Eng.* 37 Sc
Long Sutton, *Lincs., Eng.* 38 Jg
Longton, *Staffs., England* 37 Kc
Longtown, *Cumb., Eng* 38 Cb
Lonsdale, *W'land, England* 38 Cd
Looe, E. and W., *Cornwall

Luton, Bedford, England 37 Pe
Lutterworth, Leics., Eng. 37 Md
Lybster, Caith., Scotland 34 Kc
Lydd, Kent, England 37 Rg
Lydford, Devon, England 36 Fg
Lydney, Glos., England 36 Je
Lye, Worcester, England 37 Kd
Lyme B., Devon-Dorset, England 36 Jg
Lyme Regis, Dorset, Eng. 36 Jg
Lymington, Hants., Eng. 37 Lg
Lyndhurst, Hants., England 37 Lg
Lynton, Devon, England 36 Gf
Lytham St. Annes, Lancs., England 38 Be

M

Maamturk mts., Galway, Eire 33 Df
Mablethorpe, Lincs., Eng. 38 Jf
Macclesfield, Ches., Eng. 38 Df
Macduff, Banff, Scotland 34 Md
Macgillycuddy's Reeks, mts., Kerry, Eire 33 Dk
Machrihanish, Argyll, Scot. 35 Ej
Machynlleth, Mont., Wales 36 Gc
Macroom, Cork, Eire 33 Fk
Magee, I., Antrim, N. Ire. 32 Md
Magharee Is., Kerry, Eire 33 Cj
Maghera, Londonderry, N. Ireland 32 Kd
Magherafelt, Londonderry, N. Ireland 32 Kd
Magilligan Pt., Londonderry, N. Ireland 32 Kc
Maidenhead, Berks., Eng. 37 Ne
Maiden Newton, Dorset, England 36 Jg
Maidstone, Kent, England 37 Qf
Maigue, R., Limerick, Eire 33 Fj
Main, R., Antrim, N. Ire. 32 Ld
Mainland, Orkney, Scotland 34 Kb
Mainland, Shet., Scotland 34 Pb
Mal B., Clare, Eire 33 Eh
Malahide, Dublin, Eire 33 Lg
Maldon, Essex, England 37 Re
Malin Hd., Donegal, Eire 32 Jc
Malinmore, Donegal, Eire 32 Fd
Mallaig, I'ness, Scotland 34 Ee
Mallow, Cork, Eire 33 Fj
Malmesbury, Wilts., Eng. 37 Ke
Malpas, Cheshire, England 38 Cf
Maltby, Yorks., England 38 Ff
Malton, Yorks., England 38 Gd
Malvern Hills, Hereford-Worcester, England 36 Kd
Mam Soul, mt., Ross, Scot. 34 Fe
Manchester, Lancs., Eng. 38 Df
Mangerton, mt., Kerry, Eire 33 Ek
Mannin B., Galway, Eire 33 Cg
Manningtree, Essex, Eng. 37 Sc
Manor Hamilton, Leitrim, Eire 32 Ge
Mansfield, Notts., England 38 Fl
Marazion, Cornwall, Eng. 36 Dh
March, Cambs., England 37 Qc
Marden, Hereford, England 36 Jd
Maree L., Ross, Scotland 34 Ed
Margam, Glam., Wales 36 Ge
Margate, Kent, England 37 Sf
Market Deeping, Lincs., England 38 Hg
Market Drayton, Shrops., England 36 Kc
Market Harborough, Leics., England 37 Nd
Markethill, Armagh, N. Ire. 32 Ke
Market Rasen, Lincs., Eng. 38 Hf
Market Weighton, Yorks., England 38 Ge
Markinch, Fife, Scotland 35 Kg
Marlborough, Wilts., Eng. 37 Lf
Marlow, Bucks., England 37 Ne
Marshfield, Glos., England 36 Kf
Martock, Somerset, Eng. 36 Jg
Marwick Hd., Orkney, Scot. 34 Ka
Maryport, Cumb., England 38 Bc
Masham, Yorks., England 38 Ed
Mask, L., Mayo, Eire 32 Ef
Mathry, Pembroke, Wales 36 De
Matlock, Derby, England 38 Ef
Mauchline, Ayr, Scotland 35 Hh
Maumakeogh, mt., Mayo, Eire 32 Ee
Maxwelltown, Dumf., Scot. 35 Jj
May, I. of, Fife, Scotland 35 Lg
Maybole, Ayr, Scotland 35 Gj
Maynooth, Kildare, Eire 33 Kg
Mayo, co., Eire 32 Ef
Mearns, Kinc., Scotland 35 Lf
Measach Falls, Ross, Scot. 34 Fd
Meath, co., Eire 32 Kf
Medway, R., Kent, England 37 Rf
Melbourne, Derby, Eng. 38 Fg
Melbourne, Yorks., Eng. 38 Ge
Melksham, Wilts., England 37 Kf
Melrose, Roxburgh, Scot. 35 Lh
Melton Constable, Norfolk, England 37 Sc
Melton Mowbray, Leicester, England 37 Nc
Melvich, Suth., Scotland 34 Jb
Melvin, L., Leitrim, etc., Eire-N. Ireland 32 Ge
Menai Bridge, Anglesey, Wales 36 Fb
Menai Str., Angl.-Caern., Wales 36 Fb
Mendip Hills, Somerset, England 36 Jf
Mere, Wilts., England 37 Kf
Merioneth, co , Wales 36 Fc
Merrick, mt., Kirkcud., Scotland 35 Hj
Merse, The, dist., Berwick, Scotland 35 Mh
Mersey, R., Ches.-Lancs., England 38 Cf
Merthyr Tydfil, Glam., Wales 36 He
Merton, Devon, England 36 Fg
Methil, Fife, Scotland 35 Kg
Methven, Perth, Scotland 35 Jg
Mevagissey, Corn., England 36 Eh
Mexborough, Yorks., Eng. 38 Ff
Middleham, Yorks., Eng. 38 Ed
Middlesbrough, Yorks., England 38 Fc
Middleton, W'land, Eng. 38 Cd
Middleton-in-Teesdale, Durham, England 38 Dc
Middlewich, Cheshire, Eng. 38 Df
Midhurst, Sussex, England 37 Ng
Midland Gap, Shrops., Eng. 36 Jc
Midleton, Cork, Eire 33 Gk
Midlothian, co., Scotland 35 Kh
Mid Yell, Shetland, Scot. 34 Qa
Milborne Port, Somerset, England 36 Kg
Mildenhall, Suffolk, Eng. 37 Rd
Milford, Donegal, Eire 32 Hc
Milford Haven, Pembroke, Wales 36 De
Millom, Cumb., England 38 Bd
Millport, Bute, Scotland 35 Gh
Millstreet, Cork, Eire 33 Ej
Miltown Malbay, Clare, Eire 33 Eh
Minch, Little, Scotland 34 Cd
Minch, North, Scotland 34 Dc
Mine Hd., Waterford, Eire 33 Hk
Minehead, Somerset, Eng. 36 Ht
Mitchelstown, Cork, Eire 33 Gj
Mizen Hd., Cork, Eire 33 Dl
Mizen Hd., Wicklow, Eire 33 Lh
Moate, Westmeath, Eire 33 Hg
Moffat, Dumfries, Scotland 35 Kj
Moher, Cliffs of, Clare, Eire 33 Eh
Mohill, Leitrim, Eire 32 Hf
Mold, Flint, Wales 36 Hb
Mole, R., Surrey, England 37 Pf
Monach Is., Outer Hebrides, Scotland 34 Ad
Monach, Sd. of, N. Uist. Scotland 34 Ad
Monadhliath mts., I'ness, Scotland 34 He
Monaghan and co., Eire 32 Ke
Monar, L., Ross, Scotland 34 Fe
Monasterevin, Leix, Eire 33 Jg
Moniaive, Dumf., Scotland 35 Jj
Monifieth, Angus, Scotland 35 Lg
Monivea, Galway, Eire 33 Fg
Monmouth and co. 36 Je
Montgomery and co., Wales 36 Hc
Montrose, Angus, Scotland 35 Mf
Moorfoot Hills, Peebles, etc. Scotland 35 Kh
Morar, L., I'ness, Scotland 34 Ef
Moray, co., Scotland 34 Ja
Moray Firth, Scotland 34 Jd
More, L., Suth., Scotland 34 Gc
Morecambe, Lancs., Eng. 38 Cd
Morecambe B., Lancs., England 38 Cd
Moreton, Glos., England 37 Le
Moreton Hampstead, Devon, England 36 Gg
Morpeth, N'land, England 38 Eb
Morriston, Glam., Wales 36 Ge
Morte Pt., Devon, England 36 Ff
Morven, Argyll, Scotland 35 Ef
Morven, mt., Caith., Scot. 34 Jc
Mossbank, Shet., Scotland 34 Qb
Mostrim, Longford, Eire 32 Hf
Motherwell, Lanark, Scot. 35 Jh
Mountain Ash, Glam., Wales 36 Ge
Mount Bellew, Galway, Eire 33 Gg
Mountmellick, Leix, Eire 33 Jg
Mountrath, Leix, Eire 33 Jg
Mounts B., Corn., England 36 Dh
Mourne mts., Down, N. Ire. 32 Le
Mourne, R., Tyrone, N. Ire. 32 Jd
Mousa, I., Shet., Scotland 34 Qb
Moville, Donegal, Eire 32 Jc
Moy, R., Mayo-Sligo, Eire 32 Ef
Muchalls, Kinc., Scotland 34 Me
Much Wenlock, Shrops. England 36 Jc
Muck I., I'ness, Scotland 35 Df
Muckish, mt., Donegal, Eire 32 Hc
Muckle Flugga, I., Shetland, Scotland 34 Ra
Muckle Roe, I., Shetland, Scotland 34 Qb
Muckros Hd., Donegal, Eire 32 Fd
Muine Bheag, Carlow, Eire 33 Kh
Muirkirk, Ayr, Scotland 35 Hh
Mull Hd., Orkney, Scotland 34 La
Mull, I., Argyll, Scotland 35 Eg
Mull, Sd. of, Argyll, Scot. 35 Ef
Mullaghareirk mts., Limerick, etc., Eire 33 Ej
Mullingar, Westmeath, Eire 33 Jf
Mulroy B., Donegal, Eire 32 Hc
Mumbles, Glam., Wales 36 Fe
Mundesley, Norfolk, Eng. 37 Sc
Munster, prov., Eire 31 Ah
Murrisk, mts., Mayo, Eire 32 Df
Musheramore, mt., Cork, Eire 33 Fk
Musselburgh, M'loth, Scot. 35 Kh
Muthill, Perth, Scotland 35 Jg
Mutton I., Clare, Eire 33 Dh
Mweelrea, mt., Mayo, Eire 32 Df
Mynydd Bach, mts., Card., etc., Wales 36 Gd
Mynydd Eppynt, mts., Brecknock, Wales 36 Gd

N

Naas, Kildare, Eire 33 Kg
Nailsworth, Glos., England 37 Ke
Nairn, Nairn, Scotland 34 Jd
Nairn, co., Scotland 34 Je
Nairn, R., I'ness, etc., Scot. 34 He
Nantwich, Cheshire, Eng. 38 Cf
Narberth, Pemb., Wales 36 Ee
Nash Pt., Glam., Wales 36 Gf
Navan, Meath, Eire 32 Kf
Naver, L., Suth., Scotland 34 Hc
Nayland, Suffolk, England 37 Re
Naze, The, Essex, England 37 Se
Neagh, L., N. Ireland 32 Ld
Neap, Shetland, Scotland 34 Qb
Neath, Glamorgan, Wales 36 Ge
Needham Market, Suffolk, England 37 Sd
Needles, The, I. of Wight, England 37 Lg
Nelson, Lancs., England 38 De
Nene, R., Northants, etc., England 37 Nd
Nenagh, Tipperary, Eire 33 Gh
Nephin, mt., Mayo, Eire 32 Ee
Nephin Beg, mt., Mayo, Eire 32 De
Ness, L., I'ness, Scotland 34 He
Neston, Cheshire, England 38 Bf
Nethybridge, I'ness, Scot. 34 Je
Nevin, Caernarvon, Wales 36 Ec
Nevis, L., I'ness, Scotland 34 Ee
New Alresford, Hants., England 37 Mf
Newark, Notts., England 38 Gf
Newbiggin-by-the-Sea, Northumberland, Eng. 38 Eb
New Bridge, Mon. 36 He
Newbridge on Wye, Radn., Wales 36 Hd
Newburgh, A'deen, Scot. 34 Me
Newburgh, Fife, Scotland 35 Kg
Newbury, Berks., England 37 Mf
Newby Bridge, Lancs., England 38 Cd
Newcastle, Down, N. Ire. 32 Me
Newcastle, Dublin, Eire 33 Lg
Newcastle, Limerick, Eire 33 Ej
Newcastle, N'land, Eng. 38 Ec
Newcastle Emlyn, Carm., Wales 36 Fd
Newcastleton, Rox., Scot. 35 Li
Newcastle-under-Lyme, Staffs., England 37 Kb
New Cumnock, Ayr, Scot. 35 Hj
New Deer, A'deen, Scot. 34 Md
Newent, Glos., England 36 Ke
New Forest, Hants., Eng. 37 Lg
New Galloway, Kircud., Scotland 35 Hj
Newhaven, Sussex, Eng. 37 Qg
New Holland, Lincs., Eng. 38 He
New Luce, Wigtown, Scot. 35 Gk
Newlyn East, Corn., Eng. 36 Dh
Newmarket, Cork, Eire 33 Ej
Newmarket, Suffolk, Eng. 37 Qd
New Mills, Derby, England 38 Ef
Newnham, Glos., England 36 Ke
New Pitsligo, A'deen, Scot. 34 Md
Newport, Essex, England 37 Qe
Newport, I. of Wight, Eng. 37 Mg
Newport, Mayo, Eire 32 Df
Newport, Mon. 36 He
Newport, Pemb., Wales 36 Ed
Newport, Shropshire, Eng. 36 Kc
Newport-on-Tay, Fife, Scotland 35 Lg
Newport Pagnell, Bucks., England 37 Nd
New Quay, Card., Wales 36 Fd
Newquay, Corn., England 36 Dh
New Radnor, Radnor, Wales 36 Hd
New Romney, Kent, Eng. 37 Rg
New Ross, Wexford, Eire 33 Kj
Newry, Down, N. Ireland 32 Le
Newry Canal, Armagh-Down, N. Ireland 32 Le
Newton Abbot, Devon, England 36 Gg
Newtonmore, I'ness, Scot. 34 He
Newton Stewart, Wig., Scotland 35 Hk
Newtown, Mont., Wales 36 Hc
Newtownards, Down, N. Ire. 32 Md
Newtownbarry, Wexford, Eire 33 Kh
Newtown Butler, Fermanagh, N. Ireland 32 Je
Newtown Hamilton, Armagh, N. Ireland 32 Ke
Newtown Mt. Kennedy, Wicklow, Eire 33 Lg
Newtown Stewart, Tyrone, N. Ireland 32 Jd
Nidd, R., Yorks., England 38 Ed
Nith, R., Dumfries, Scot. 35 Jj
Nithsdale, Dumfries, Scot. 35 Ji
Nobber, Meath, Eire 32 Kf
Nore, Lt. Ho., Thames England 31 Hj
Nore, R., Leix, etc., Eire 33 Jh
Norfolk, co., England 37 Rc
Norfolk Broads, Norfolk, England 37 Sc
Norfolk Edge, hills, Norfolk, England 37 Rc
Norham, N'land, England 38 Da
North Channel, N. Ireland-Scotland 30 Df
North Downs, Kent, Eng. 37 Qf
North Foreland, Kent, England 37 St
North Sea, Europe 30 Gc
North Sd., The, Orkney, Scotland 34 La
Northallerton, Yorks., Eng. 38 Fd
Northampton and co., England 37 Nd
North Berwick, E. Loth., Scotland 35 Lg
Northern Ireland, Gt. Brit. 31 Cf
Northiam, Sussex, England 37 Rg
Northleach, Glos., England 37 Le
North Riding, Yorks., Eng. 38 Fd
North Rona, I., Scotland 34 Ea
North Ronaldsay Firth, Orkney, Scotland 34 Ma
North Ronaldsay, I., Orkney, Scotland 34 Ma
North Shields, N'land, England 38 Fb
North Somercotes, Lincs., England 38 Jf
North Uist, I., Outer Hebrides, Scotland 34 Bd
Northumberland, co., Eng. 38 Db
North Walsham, Norfolk, England 37 Sc
North West Highlands, Scotland 34 Fe
Northwich, Ches., England 38 Df
Northwold, Norfolk, Eng. 37 Rc
Norwich, Norfolk, England 37 Sc
Norwick, Shet., Scotland 34 Ra
Noss, I. of, Shet., Scotland 34 Rb
Nottingham, Notts., Eng. 38 Fg
Nottingham (Notts), co., England 38 Ff
Nuneaton, Warwick, Eng. 37 Mc
Nutts Corner, Antrim, N. Ireland 32 Ld
Nymphe Bank, St. George's Channel 31 Cj

O

Oa, Mull of, Islay, Scot. 35 Dh
Oakengates, Shrops., Eng. 36 Kc
Oakham, Rutland, England 37 Nc
Oban, Argyll, Scotland 35 Fg
Ochil Hills, Perth, Scot. 35 Jg
Ochiltree, Ayr, Scotland 35 Hj
Offaly, co., Eire 33 Hg
Oich, L., Inverness, Scot. 34 Ge
Okehampton, Devon, Eng. 36 Gg
Old Hd. of Kinsale, Cork, Eire 33 Fk
Oldcastle, Meath, Eire 32 Jf
Oldham, Lancs., England 38 De
Old Meldrum, Aberdeen, Scotland 34 Me
Ollerton, Notts., England 38 Ff
Olney, Bucks., England 37 Nd
Omagh, Tyrone, N. Ire. 32 Jd
Omey I., Galway, Eire 33 Cf
Ongar, Essex, England 37 Qe
Onich, Inverness, Scotland 35 Ff
Oranmore, Galway, Eire 33 Fg
Orford, Suffolk, England 37 Td
Orkney, Is. and co., Scot. 34 Kb
Ormskirk, Lancs., England 38 Ce
Oronsay, I., Argyll, Scot. 35 Dg
Orrin, R., Ross, Scotland 34 Gd
Oswestry, Shrops., Eng. 36 Hc
Otley, Yorks., England 38 Ee
Otterburn, N'land, Eng. 38 Db
Otterswick, Shet., Scot. 34 Qa
Ottery, R., Corn.-Devon, England 36 Fg
Ottery St. Mary, Devon, England 36 Hg
Oughterard, Galway, Eire 33 Eg
Oundle, Northants, Eng. 37 Pd
Ouse, R., Norfolk, etc., England 37 Qc
Ouse, R., Yorks., England 38 Fe
Outer Hebrides, Is., Scot. 34 Ae
Out Skerries, Shet., Scot. 34 Rb
Overton, Flint, Wales 36 Jc
Owel, L., Westmeath, Eire 33 Jf
Owemore R., Mayo, Eire 32 De
Ox mts., Mayo-Sligo, Eire 32 Fe
Oxford and co., England 37 Me
Oykel, R., Suth., Scotland 34 Gd

P

Pabbay, I., Outer Hebrides, Scotland 34 Bd
Padstow, Cornwall, Eng. 36 Eg
Paignton, Devon, England 36 Gh
Paisley, Renfrew, Scotland 35 Hh
Pangbourne, Berks., Eng. 37 Mf
Papa Stour, I., Shet., Scot. 34 Pb
Papa Westray, I., Orkney, Scotland 34 La
Paps of Jura, mts., Jura, Scotland 35 Eh
Parracombe, Devon, Eng. 36 Gf
Parrett R., Somerset, Eng. 36 Jf
Partry mts., Mayo, Eire 32 Ef
Pateley Bridge, Yorks., England 38 Ed
Patrington, Yorks., Eng. 38 He
Peak, The, mt., Derby, England 38 Ef
Peebles and co., Scotland 35 Kh
Peel, Isle of Man 38 Kd
Peel Fell, mt., Rox., Scot. 35 Lj
Pembridge, Hereford, Eng. 36 Jd
Pembroke and co., Wales 36 Ee
Pembroke Docks, Pemb., Wales 36 Ee
Penarth, Glam., Wales 36 Hf
Pencader, Carm., Wales 36 Fe
Penicuik, M'loth., Scotland 35 Kh
Penistone, Yorks., England 38 Ee
Penkilan Hd., Caernarvon, Wales 36 Ec
Penkridge, Staffs., Eng. 37 Kc
Pennine Chain, England 38 Cc
Penrith, Cumb., England 38 Cc
Penryn, Cornwall, England 36 Dh
Pentland Firth, Scotland 34 Kb
Pentland Hills, M'loth. etc., Scotland 35 Kh
Pentland Skerries, Orkney, Scotland 34 Lb
Pen-y-ghent, mt., Yorks., England 38 Dd
Penzance, Cornwall, Eng. 36 Ch
Perranporth, Corn., Eng. 36 Dh
Pershore, Worcester, Eng. 37 Kd
Perth, Perth, Scotland 35 Kg
Perth, co., Scotland 35 Hg
Peterborough, Hunts. England 37 Pc
Peterculter, A'deen, Scot. 34 Me
Peterhead, A'deen, Scot. 34 Nd
Peterlee, Durham, England 38 Fc
Petersfield, Hants., Eng. 37 Nf
Peterstow, Hereford, Eng. 36 Je
Petworth, Sussex, England 37 Ng
Pettigo, Donegal, Eire 32 Hd
Pewsey and Vale of, Wilts., England 37 Lf
Pickering, Yorks., England 38 Gd
Pierowall, Orkney, Scotland 34 La
Pitlochry, Perth, Scotland 35 Jf
Pittenweem, Fife, Scotland 35 Lg
Pladda Lt. Ho., Arran, Scot. 35 Fj
Plymouth, Devon, England 36 Fh
Plymouth Sound, Cornwall-Devon, England 36 Fh
Plynlimon, mt., Cardigan, Wales 36 Gd
Pocklington, Yorks., Eng. 38 Ge
Polegate, Sussex, England 37 Qg
Pollaphuca Res., Wicklow, Eire 33 Lg
Polperro, Cornwall, Eng. 36 Fh
Pomeroy, Tyrone, N. Ire. 32 Kd
Pomona, Orkney, Scotland 34 Ka
Pontardawe, Glam., Wales 36 Ge
Pontefract, Yorks., England 38 Fe
Pontesbury, Shrops., Eng. 36 Jc
Pontrilas, Hereford, Eng. 36 Je
Pontypool, Mon 36 He
Pontypridd, Glam., Wales 36 He
Poole, Dorset, England 37 Lg
Poolewe, Ross, Scotland 34 Ed
Porlock, Somerset, England 36 Gf
Portadown, Armagh, N. Ireland 32 Le
Portaferry, Down, N. Ire. 32 Me
Portarlington, Leix, Eire 33 Jg
Port Askaig, Islay, Scotland 35 Dh
Port Carlisle, Cumb., Eng. 38 Bc
Port Charlotte, Islay, Scot. 35 Dh
Port Dinorwic, Caern., Wales 36 Fb
Port Ellen, Islay, Scotland 35 Dh
Port Erin, Isle of Man 38 Kd
Port Errol, A'deen, Scot. 34 Ne
Port Eynon, Glam., Wales 36 Fe
Port Glasgow, Renf., Scot. 35 Gh
Portglenone, Antrim, N. Ireland 32 Ld
Portgordon, Banff, Scot. 34 Kd
Porthcawl, Glam., Wales 36 Gf
Porth Neigwl, Caernarvon, Wales 36 Ec
Port Isaac, Cornwall, Eng. 36 Eg
Portishead, Somerset, Eng. 36 Jf
Port Lairge, see Waterford
Portland Bill, Dorset, Eng. 36 Kg
Portland Harbour, Dorset, England 36 Kg
Portland Isle, Dorset, Eng. 36 Kg
Portlaoise, Leix, Eire 33 Jg
Portlaw, Waterford, Eire 33 Jj
Portmadoc, Caern., Wales 36 Fc
Portnacroish, Argyll, Scot. 35 Ff
Portnahaven, Islay, Scot. 35 Ch
Port of Ness, Lewis, Scot. 34 Dc
Portpatrick, Wig., Scot. 35 Fk
Portree, Skye, Scotland 34 De
Portrush, Londonderry, N. Ireland 32 Kc
Portsalon, Donegal, Eire 32 Hc
Portsmouth, Hants., Eng. 37 Mg
Portsonachan, Argyll, Scot. 35 Fg
Portsoy, Banff, Scotland 34 Ld
Port Talbot, Glam., Wales 36 Ge
Portumna, Galway, Eire 33 Gg
Port William, Wig., Scot. 35 Gk
Potton, Bedford, England 37 Pd
Prawle Pt., Devon, Eng. 36 Gh
Prescot, Lancs., England 38 Cf
Presteigne, Radnor, Wales 36 Jd
Preston, Lancs., England 38 Ce
Prestonpans, E. Loth., Scot. 35 Lh
Prestwick, Ayr, Scotland 35 Gh
Princetown, Devon, Eng. 36 Gg
Pumpsaint, Carm., Wales 36 Gd
Purbeck Downs, Dorset, England 36 Jg
Purley, London, England 37 Pf
Pwllheli, Caern., Wales 36 Fc

Q

Quantock Hills, Somerset England 36 Hf
Quirang, mt., Skye, Scot. 34 Dd
Quoich, L., I'ness, Scotland 34 Fe

R

Raasay, I. and Sd., Skye, Scotland 34 De
Radnor, co., Wales 36 Hd
Radnor Forest, Radnor, Wales 36 Hd
Radstock, Somerset, Eng. 36 Kf
Ramelton, Donegal, Eire 32 Hc
Ramor, L., Cavan, Eire 32 Jf
Ramsbottom, Lancs., Eng. 38 De
Ramsey, Hunts., England 37 Pd
Ramsey, Isle of Man 38 Ld
Ramsey I., Pemb., Wales 36 De
Ramsgate, Kent, England 37 Sf
Randalstown, Antrim, N. Ireland 32 Ld
Rannoch, L., Perth, Scot. 35 Hf
Rannoch, Moor, Argyll-Perth, Scotland 35 Gf
Raphoe, Donegal, Eire 32 Hd
Rathangan, Kildare, Eire 33 Jg
Rathdrum, Wicklow, Eire 33 Lh
Rathfriland, Down, N. Ire. 32 Le
Rathkeale, Limerick, Eire 33 Fh
Rathlin I., Antrim, N. Ire. 32 Lc
Rathluire, see Charleville
Rathnew, Wicklow, Eire 33 Lh
Rattray Hd., A'deen, Scot. 34 Nd
Ravenglass, Cumb., Eng. 38 Bd
Rayleigh, Essex, England 37 Re
Reading, Berks., England 37 Nf
Reawick, Shetland, Scotland 34 Qb
Redcar, Yorks., England 38 Fc
Redditch, Worcs., England 37 Ld
Redhill, Surrey, England 37 Pf
Redruth, Cornwall, England 36 Dh
Ree, L., Roscommon, Eire 33 Gf
Reedham, Norfolk, England 37 Sc
Reeth, Yorks., England 38 Ed
Reigate, Surrey, England 37 Pf
Renfrew and co., Renfrew, Scotland 35 Gh
Rerwick, Shetland, Scot. 34 Qc
Rhayader, Radnor, Wales 36 Hd
Rhondda, Glam., Wales 36 He
Rhosllanerchrugog, Denb., Wales 36 Hb
Rhu Coigach, Ross, Scot. 34 Fc
Rhum, I., I'ness, Scotland 34 De
Rhyl, Flint, Wales 36 Hb
Rhynie, Aberdeen, Scotland 34 Le
Ribble, R., Lancs.-Yorks., England 38 De
Riccall, Yorks., England 38 Fe
Riccarton Junction, Rox., Scotland 35 Lj
Richborough, Kent, Eng. 37 Sf
Richmond, London, Eng. 37 Pf
Richmond, Yorks., England 38 Ed
Rickmansworth, Herts., England 37 Pe
Ridgewell, Essex, England 37 Rd
Rineanna, Clare, Eire 33 Fh
Ringmer Sussex, England 37 Qg
Ringwood, Hants., Eng. 37 Lg
Ripley, Derby, England 38 Ff
Ripley, Yorks., England 38 Ed
Ripon, Yorks., England 38 Ed
Risca, Mon. 36 He
Roade, Northants, England 37 Nd
Roag, L., Lewis, Scotland 30 Cb
Roaringwater B., Cork, Eire 33 Ek
Robe, R., Mayo, Eire 32 Ef
Robertstown, Kildare, Eire 33 Kg
Robin Hood's Bay, Yorks, England 38 Gd
Rochdale, Lancs., England 38 De
Rochester, Kent, England 37 Rf
Rochford, Essex, England 37 Re
Rockingham, Northants., England 37 Nc
Rodel, Harris, Scotland 34 Cd
Roman Wall, N'land, Eng. 38 Db
Romford, London, England 37 Qe
Romney Marsh, Kent, Eng. 37 Rf
Romsey, Hants., England 37 Lg
Roosky, Leitrim, Eire 32 Hf
Rora Hd., Orkney, Scotland 34 Kb
Roscommon and co., Eire 32 Gf
Roscrea, Tipperary, Eire 33 Hh
Rosehearty, A'deen, Scot. 34 Md
Rosemarkie, Ross, Scotland 34 Hd
Rosemary Bank, Atlantic Oc. 30 Aa
Ross, Hereford, England 36 Je
Rossan Pt., Donegal, Eire 32 Fd
Ross & Cromarty, co., Scot. 34 Fd
Rosscarbery, Cork, Eire 33 Ek
Rosslare Harb., Wexford, Eire 33 Lj
Rosslea, Fermanagh, N. Ire. 32 Je
Rosyth, Fife, Scotland 35 Kg
Rothbury, N'land, England 38 Eb
Rother, R., Kent-Sussex, England 37 Rf
Rotherham, Yorks., Eng. 38 Ff
Rothes, Moray, Scotland 34 Kd
Rothesay, Bute, Scotland 35 Fh
Rousay, I., Orkney, Scot. 34 Ka
Roxburgh, Rox., Scotland 35 Mh
Roxburgh, co., Scotland 35 Lj
Royal Canal, Eire 33 Kg
Royston, Herts., Eng. 37 Pd
Ruabon, Denbigh, Wales 36 Hc
Rubha Hunish, Skye, Scot. 34 Dd
Rubha Reidh, Ross, Scot. 34 Ed
Ruddington, Notts., Eng. 38 Fg
Rudyard Res., Staffs., Eng. 37 Kb
Rugby, Warwick, England 37 Md
Rugeley, Staffs., England 37 Lc
Rum, see Rhum
Runcorn, Ches., England 38 Cf
Runswick, Yorks., England 38 Gc
Rush, Dublin, Eire 33 Lf
Rushden, Northants., Eng. 37 Nd
Rutherglen, Lanark, Scot. 35 Hh
Ruthin, Denbigh, Wales 36 Hb
Rutland, co., England 37 Nc
Ryan, L., Wigtown, Scot. 35 Fk
Ryde, I. of Wight, England 37 Mg
Rye, Sussex, England 37 Rg

S

Saddle, The, mt., Ross, Scotland 34 Fe
Saffron Walden, Essex, England 37 Qd
St. Abbs Hd., Berwick, Scotland 35 Mh
St. Agnes, Cornwall, Eng. 36 Dh
St. Agnes, I., Scilly Is., Eng. 36 Bj
St. Albans, Herts., Eng. 37 Pe
St. Alban's Hd., Dorset, England 37 Kg
St. Andrews, Fife, Scotland 35 Lg
St. Anne, Alderney, Channel Is. 37 Kk
St. Asaph, Flint, Wales 36 Hb
St. Aubin, Jersey, Channe Is. 37 Kl
St. Austell and B., Corn. England 36 Eh
St. Bees, Cumb., England 38 Ad
St. Bees Hd., Cumb., Eng. 38 Ac
St. Blazey, Corn., England 36 Eh
St. Bride's B., Pembroke, Wales 36 De
St. Catherines Pt., I. of Wight, England 37 Mg
St. Clears, Carm., Wales 36 Fe
St. Columb, Corn., Eng. 36 Eh
St. Davids, Pemb., Wales 36 De
St. David's Hd., Pembroke Wales 36 De
St. Day, Cornwall, England 36 Dh
St. Dogmells, Pemb., Wales 36 Ed
Saintfield, Down, N. Ire. 32 Me
St. Fillans, Perth, Scotland 35 Hg
St. Finan's B., Kerry, Eire 33 Ck
St. George's Channel, Eire-Wales 31 Cj
St. Germans, Corn., Eng. 36 Fh
St. Gowans Hd., Pemb., Wales 36 Ee
St. Helens, Lancs., England 38 Cf
St. Helier, Jersey, Channel Is. 37 Kl
St. Ives, Huntingdon, Eng. 37 Pd
St. Ives and B., Corn., England 36 Dh
St. John's Pt., Donegal, Eire 32 Gd
St. Johns Pt., Down, N. Ireland 32 Me
St. John's Chapel, Durham, England 38 Dc
St. Just, Cornwall, England 36 Ch
St. Kilda, Is., Scotland 30 Bc
St. Leonards, Sussex, Eng. 37 Rg
St. Magnus B., Shet., Scot. 34 Pb
St. Margaret's Hope, Orkney, Scotland 34 Lb
St. Martin's I., Scilly Is., England 36 Bj
St. Mary's, Orkney, Scot. 34 Lb
St. Mary's, I., Scilly Is., Eng. 36 Bj
St. Mary's L., Selkirk, Scot. 35 Kj
St. Neots, Hunts., England 37 Pd
St. Peter Port, Guernsey, Channel Is. 37 Jl
St. Sampson, Guernsey, Channel Is. 37 Jl
St. Teath, Cornwall, Eng. 36 Eg
Salcombe, Devon, England 36 Gh
Sale, Cheshire, England 38 Df
Salen, Argyll, Scotland 35 Ef
Salford, Lancs., England 38 Df
Salisbury, Wilts., England 37 Lf
Salisbury Plain, Wilts., England 37 Kf
Salop, co., see Shropshire
Saltash, Cornwall, England 36 Fh
Saltburn, Yorks., England 38 Gc
Saltcoats, Ayr, Scotland 35 Gh
Saltee Is., Wexford, Eire 33 Kj
Saltfleet, Lincs., England 38 Jf
Sanda, I., Argyll, Scotland 35 Ej
Sanday, I., Orkney, Scot. 34 Ma
Sanday Sd., Orkney, Scot. 34 La
Sandbach, Ches., England 38 Df
Sandgate, Kent, England 37 Sf
Sandness, Shetland, Scot. 34 Pb
Sandown, I. of Wight, Eng. 37 Mg
Sandringham, Norf., Eng. 37 Rc
Sandwich, Kent, England 37 Sf
Sandwick, Shetland, Scot. 34 Qc
Sandy, Bedford, England 37 Pd

Sanquhar, *Dumfries, Scot.* 35 Jj
Sark, I., *Channel Is.* 37 Kl
Sarnau, *Cardigan, Wales* 36 Fd
Saundersfoot, *Pembroke, Wales* 36 Ee
Sawel, mt., *Tyrone, N. Ire.* 32 Jd
Sawston, *Cambridge, Eng.* 37 Qd
Saxmundham, *Suffolk, Eng.* 37 Sd
Sca Fell Pike, mt., *Cumb., England* 38 Bd
Scalby, *Yorks., England* 38 Hd
Scalloway, *Shetland, Scot.* 34 Qb
Scalp, pk., *Clare, Eire* 33 Gh
Scalpay, I., *Skye, Scotland* 34 Ee
Scapa Flow, *Orkney, Scot.* 34 Kb
Scarba, I., *Argyll, Scotland* 35 Eg
Scarborough, *Yorks., Eng.* 38 Hd
Scariff, I., *Kerry, Eire* 33 Ck
Scarp, I., *Harris, Scotland* 34 Bc
Scavaig, L., *Skye, Scotland* 34 De
Schiehallion, mt., *Perth, Scotland* 35 Hf
Schull, *Cork, Eire* 33 Dk
Scilly, Isles of, *England* 36 Bj
Scole, *Norfolk, England* 37 Sd
Scone, *Perth, Scotland* 35 Kg
Scourie, *Suth., Scotland* 34 Fc
Scrabster, *Caith., Scotland* 34 Jb
Scridain L., *Mull, Scotland* 35 Dg
Scunthorpe, *Lincs., Eng.* 38 Ge
Seaford, *Sussex, England* 37 Qg
Seaham Harbour, *Durham, England* 38 Fc
Seaton, *Devon, England* 36 Hg
Sedbergh, *Yorks., England* 38 Cd
Sedgefield, *Durham, Eng.* 38 Fc
Sedgemoor, *Som., England* 36 Jf
Selby, *Yorks., England* 38 Fe
Selkirk, *Selkirk, Scotland* 35 Lh
Selkirk, co., *Scotland* 35 Kh
Selsey Bill, *Sussex, England* 37 Ng
Sennen, *Cornwall, England* 36 Ch
Settle, *Yorks., England* 38 Dd
Seven Hd., *Cork, Eire* 33 Fk
Seven Hunters, I., *Scotland* 34 Ac
Sevenoaks, *Kent, England* 37 Qf
Severn Gorge, *Shropshire, England* 36 Jc
Severn, R., *England-Wales* 37 Ke
Sgurr Mor, mt., *Ross, Scot.* 34 Fd
Shaftesbury, *Dorset, Eng.* 37 Kf
Shaint Is. and Sd., *Lewis, Scotland* 34 Dd
Shanklin, *I. of Wight, Eng.* 37 Mg
Shannon Airport, *Clare, Eire* 33 Eh
Shannon, Mouth of the, *Eire* 33 Dh
Shannon, R., *Eire* 31 Bg
Shannon Pot, *Cavan, Eire* 32 He
Shap, mt., *W'land, Eng.* 38 Cc
Shapinsay, I., *Orkney, Scot.* 34 La
Sheelin, L., *Cavan, etc., Eire* 32 Jf
Sheep Haven, *Donegal, Eire* 32 Hc
Sheep's Hd., *Cork, Eire* 33 Dk
Sheerness, *Kent, England* 37 Rf
Sheffield, *Yorks., England* 38 Ff
Shefford, *Bedford, England* 37 Pd
Shelford, *Cambridge, Eng.* 37 Qd
Sheppey, I., *Kent, England* 37 Rf
Shepton Mallet, *Som., Eng.* 36 Jf
Sherborne, *Dorset, England* 36 Jg
Sheringham, *Norf., Eng.* 37 Sc
Shetland, Is., *Scotland* 34 Rb
Shiel, L., *Inverness-Argyll, Scotland* 35 Ef
Shieldaig, *Ross, Scotland* 34 Ed
Shifnal, *Shrops., England* 36 Kc
Shillelagh, *Wexford, Eire* 33 Kh
Shin, L., *Suth., Scotland* 34 Gc
Shipdham, *Norfolk, England* 37 Rc
Shipley, *Yorks., England* 38 Ee
Shipston, *Warwick, Eng.* 37 Ld
Shoeburyness, *Essex, Eng.* 37 Re
Shoreham-by-Sea, *Sussex, England* 37 Pg
Shotley, *Suffolk, England* 37 Se
Shrewsbury, *Shrops., Eng.* 36 Jc
Shropshire, co., *England* 36 Jc
Shrule, R., *Tyrone, N. Ire.* 32 Jd
Sidlaw Hills, *Perth-Angus, Scotland* 35 Kg
Sidmouth, *Devon, Eng.* 36 Hg
Silloth, *Cumb., England* 38 Bc
Silver Pit, *North Sea* 31 Hg
Sinclair's B., *Caith., Scot.* 34 Kb
Sittingbourne, *Kent, Eng.* 37 Rf
Sixmilebridge, *Clare, Eire* 33 Fh
Skegness, *Lincs., England* 38 Jf
Skerries, *Dublin, Eire* 32 Lf
Skerries, Out, *Shet., Scot.* 34 Rb
Skerryvore Lt. Ho., *Atlantic Oc.* 35 Bg
Skibbereen, *Cork, Eire* 33 Ek
Skiddaw, mt., *Cumb., Eng.* 38 Bc
Skipsea, *Yorks., England* 38 He
Skipton, *Yorks., England* 38 De
Skomer I., *Pemb., Wales* 36 De
Skye, I., *Inverness, Scotland* 34 De
Slaithwaite, *Yorks., Eng.* 38 De
Slane, *Meath, Eire* 32 Kf
Slaney, R., *Wexford, Eire* 33 Kj
Slapin, L., *Skye, Scotland* 34 De
Slea Hd., *Kerry, Eire* 33 Cj
Sleaford, *Lincs., England* 38 Hg
Sleat, Sd. of, *I'ness, Scot.* 34 Ee
Slievanea, mt., *Kerry, Eire* 33 Cj
Slieve Anierin, pk., *Leitrim, Eire* 32 He
Slieve Aughty, mts., *Galway, Eire* 33 Fg
Slieve Beagh, pk., *Tyrone, N. Ireland* 32 Je
Slieve Bernagh, *Clare, Eire* 33 Fh
Slieve Bloom mts., *Leix, etc., Eire* 33 Hg
Slieve Car, mt., *Mayo, Eire* 32 De
Slieve Donard, mt., *Down, N. Ireland* 32 Me
Slieve Elva, pk., *Clare, Eire* 33 Eg
Slievefelim mts., *Limerick, Eire* 33 Gh
Slieve Gamph, mts., *Mayo-Sligo, Eire* 32 Ee
Slieve Gullion, pk., *Armagh, N. Ireland* 32 Le
Slieve League, mt., *Donegal, Eire* 32 Fd
Slieve Mish, mts., *Kerry, Eire* 33 Dj
Slieve Miskish, mts., *Kerry, Eire* 33 Dk
Slievemore, mt., *Mayo, Eire* 32 Ce
Slievenakilla, pk., *Cavan, Eire* 32 He
Slievenaman, mt., *Tipperary, Eire* 33 Hj
Slieve Snaght, mt., *Donegal, Eire* 32 Jc
Slieve Tooey, mt., *Donegal, Eire* 32 Fd
Sligachan, *Skye, Scotland* 34 De
Sligo and B., *Sligo, Eire* 32 Ge
Sligo, co., *Eire* 32 Fe
Slioch, *Ross, Scotland* 34 Fd
Slough, *Bucks., England* 37 Ne
Slyne Hd., *Galway, Eire* 33 Cg
Sma' Glen, *Perth, Scotland* 35 Jg
Smalls Rock, *Pemb., Wales* 31 Dj
Smerwick Harb., *Kerry, Eire* 33 Cj
Smethwick, *Staffs., Eng.* 37 Lc
Snaefell, mt., *Isle of Man* 38 Ld
Snaith, *Yorks., England* 38 Fe
Sneen, *Kerry, Eire* 33 Dk
Snizort, L., *Skye, Scotland* 34 Dd
Snowdon, mt., *Caernarvon, Wales* 36 Fb
Soay, I., *St. Kilda, Scotland* 34 Aa
Soay, I., *Skye, Scotland* 34 De
Soham, *Camb., England* 37 Qd
Soke of Peterborough, div., *Hunts., England* 37 Pc
Sole Pit, *North Sea* 31 Hg
Solent, The, *Hants., Eng.* 37 Mg
Solihull, *Warwick, England* 37 Ld
Solway Firth, *Scot.-Eng.* 35 Jk
Somerset, co., *England* 36 Hf
Somerton, *Som., England* 36 Jf
Sopley, *Hants., England* 37 Lg
Sourton, *Devon, England* 36 Fg
South Downs, *Sussex-Hants., England* 37 Ng
South Foreland, *Kent, Eng.* 37 Sf
Southam, *Warks., England* 37 Md
Southampton, *Hants., Eng.* 37 Mg
Southborough, *Kent, Eng.* 37 Qf
South Cave, *Yorks., Eng.* 38 Ge
Southend-on-Sea, *Essex, England* 37 Re
Southern Uplands, *Scot.* 35 Hj
Southminster, *Essex, Eng.* 37 Re
South Molton, *Devon, Eng.* 36 Gf
South Otterington, *Yorks., England* 38 Fd
Southport, *Lancs., England* 38 Be
South Ronaldsay, *Orkney, Scotland* 34 Lb
South Shields, *Durham, England* 38 Fc
S. Uist, I., *Outer Hebrides, Scotland* 34 Be
Southwell, *Notts., England* 38 Gf
South Willingham, *Lincs., England* 38 Hf
Southwold, *Suffolk, Eng.* 37 Td
Spalding, *Lincs., England* 38 Hg
Spean Bridge, *I'ness, Scot.* 35 Gf
Spennymoor, *Durham, Eng.* 38 Ec
Sperrin mts., *Tyrone-Londonderry, N. Ireland* 32 Jd
Spey, R., *Scotland* 34 Ke
Spilsby, *Lincs., England* 38 Jf
Spittal, *N'land, England* 38 Ea
Spithead, *Hants., England* 37 Mg
Spurn Hd., *Yorks., England* 38 Je
Stack's mts., *Kerry, Eire* 33 Dj
Stack Skerry, I., *Scotland* 34 Ha
Staffa, I., *Argyll, Scotland* 35 Dg
Stafford and co., *England* 37 Kc
Staines, *Surrey, England* 37 Pf
Stake, Hill of, *Ayr, Scot.* 35 Gh
Stalbridge, *Dorset, England* 36 Kg
Stamford, *Lincs., England* 37 Pc
Stanley, *Perth, Scotland* 35 Kf
Stanton Banks, *Atlantic Ocean* 30 Bd
Start B. and Pt., *Devon, England* 36 Gh
Start Pt., *Orkney, Scotland* 34 Ma
Staveley, *Derby, England* 38 Ff
Stenness, *Shetland, Scotland* 34 Pb
Stenness, L. of, *Orkney, Scotland* 34 Ka
Stevenage, *Herts., England* 37 Pe
Stewarton, *Ayr, Scotland* 35 Gh
Steyning, *Sussex, England* 37 Pg
Stirling, *Stirling, Scotland* 35 Jg
Stirling, co., *Scotland* 35 Hg
Stockbridge, *Hants., Eng.* 37 Lf
Stockport, *Ches., England* 38 Df
Stockton-on-Tees, *Durham, England* 38 Fc
Stoer, Pt. of, *Suth., Scot.* 34 Fc
Stoke Ferry, *Norfolk, Eng.* 37 Rc
Stoke-on-Trent, *Staffs., England* 37 Kb
Stokesley, *Yorks., England* 38 Fd
Stone, *Staffs., England* 37 Kc
Stonehaven, *Kinc., Scot.* 34 Mf
Stonehenge, *Wilts., Eng.* 37 Lf
Stoneykirk, *Wig., Scotland* 35 Gk
Stony Stratford, *Bucks., England* 37 Nd
Stornoway, *Lewis, Scot.* 34 Dc
Storr, The, mt., *Skye, Scot.* 34 Dd
Stour, R., *Dorset, England* 37 Kg
Stour, R., *Kent, England* 37 Sf
Stour R., *Suffolk, etc., Eng.* 37 Re
Stourbridge, *Worcs., Eng.* 37 Kd
Stourport, *Worcs., Eng.* 37 Kd
Stow, *M'loth, Scotland* 35 Lh
Stowmarket, *Suffolk, Eng.* 37 Sd
Stow-on-the Wold, *Glos., England* 37 Le
Strabane, *Tyrone, N. Ire.* 32 Jd
Stradbally, *Leix, Eire* 33 Jg
Stradbroke, *Suffolk, Eng.* 37 Sd
Straiton, *Ayr, Scotland* 35 Gj
Strangford, *Down, N. Ire.* 32 Me
Strangford L., *Down, N. Ire.* 32 Md
Stranorlar, *Donegal, Eire* 32 Hd
Stranraer, *Wigtown, Scot.* 35 Fk
Stratford-on-Avon, *Warks., England* 37 Ld
Strathaven, *Lanark, Scot.* 35 Hh
Strath Brora, *Suth., Scot.* 34 Hc
Strath Carron, *Ross, Scot.* 34 Gd
Strath Dearn, *I'ness, etc., Scotland* 34 Je
Strath Farrar, *I'ness, Scot.* 34 Ge
Strath Halladale, *Suth., Scotland* 34 Jb
Strathmore, *Perth-Angus, Scotland* 35 Kf
Strathpeffer, *Ross, Scot.* 34 Gd
Strath Spey, *I'ness, Scot.* 34 Je
Strathy Pt., *Suth., Scotland* 34 Hb
Strathyre, *Perth, Scotland* 35 Hg
Stratton, *Cornwall, Eng.* 36 Eg
Street, *Somerset, England* 36 Jf
Strensall, *Yorks., England* 38 Fd
Strichen, *Aberdeen, Scot.* 34 Md
Strokestown, *Roscommon, Eire* 32 Gf
Stroma, I., *Caith., Scot.* 34 Kb
Stromeferry, *Ross, Scotland* 34 Ee
Stromness, *Orkney, Scot.* 34 Kb
Stronsay, *Orkney, Scotland* 34 La
Stronsay Firth, *Orkney, Scotland* 34 La
Struan, *Perth, Scotland* 35 Jf
Strumble Hd., *Pembroke, Wales* 36 Dd
Sturminster Newton, *Dorset, England* 36 Kg
Suck R., *Roscommon, etc., Eire* 33 Gg
Sudbury, *Suffolk, England* 37 Rd
Suffolk, co., *England* 37 Rd
Suilven, mt., *Suth., Scot.* 34 Fc
Suir, R., *Tipperary, etc., Eire* 33 Jj
Sula Sgeir, I., *Scotland* 34 Da
Sule Skerry, I., *Scotland* 34 Ha
Sumburgh Hd., *Shet., Scot.* 34 Qc
Summer Is., *Ross, Scotland* 34 Fc
Sunart, L., *Argyll, Scotland* 35 Ef
Sunderland, *Durham, Eng.* 38 Fc
Surrey, co., *England* 37 Nf
Sussex, co., *England* 37 Pg
Sussex, Vale of, *Sussex, England* 37 Qg
Sutherland, co., *Scotland* 34 Gc
Sutton, *Cambridge, Eng.* 37 Qd
Sutton, *London, England* 37 Pf
Sutton, *Yorks., England* 38 He
Sutton Coldfield, *Warwick, England* 37 Lc
Sutton-on-Sea, *Lincs., Eng.* 38 Jf
Swadlincote, *Derby, Eng.* 38 Eg
Swaffham, *Norfolk, Eng.* 37 Rc
Swale, R., *Yorks., England* 38 Ed
Swaledale, *Yorks., England* 38 Dd
Swanage, *Dorset, England* 37 Lg
Swansea, *Glam., Wales* 36 Ge
Swansea B., *Glam., Wales* 36 Ge
Swilly, L., *Donegal, Eire* 32 Hc
Swindon, *Wilts., England* 37 Le
Swineford, *Mayo, Eire* 32 Ff
Swineshead, *Lincs., Eng.* 38 Hg
Swona, I., *Orkney, Scotland* 34 Kb
Swords, *Dublin, Eire* 33 Lg
Sybil Pt., *Kerry, Eire* 33 Cj
Symington, *Lanark, Scot.* 35 Jh
Syston, *Leicester, England* 37 Mc

T

Tadcaster, *Yorks., England* 38 Fe
Taf, R., *Carm., etc., Wales* 36 Ee
Taff, R., *Glam., etc., Wales* 36 He
Tain, *Ross, Scotland* 34 Hd
Talgarth, *Brecknock, Wales* 36 Hd
Tallow, *Waterford, Eire* 33 Gj
Talybont, *Cardigan, Wales* 36 Gd
Tamar, R., *Corn.-Devon, England* 36 Fg
Tamworth, *Staffs., Eng.* 37 Lc
Tanderagee, *Armagh, N. Ireland* 32 Le
Tannadice, *Angus, Scotland* 35 Lf
Tara Hill, *Meath, Eire* 33 Kf
Taransay, I., *Harris, Scot.* 34 Bd
Tarbat Ness, *Ross, Scotland* 34 Jd
Tarbert, *Argyll, Scotland* 35 Fh
Tarbert, *Harris, Scotland* 34 Cd
Tarbert, *Kerry, Eire* 33 Eh
Tarbert, E. L., *Harris, Scot.* 34 Cd
Tarbert, W. L., *Harris, Scotland* 34 Bd
Tarland, *Aberdeen, Scotland* 34 Le
Tarleton, *Lancs., England* 38 Ce
Tarporley, *Ches., England* 38 Cf
Tattershall, *Lincs., England* 38 Hf
Taunton, *Somerset, Eng.* 36 Hf
Tavistock, *Devon, England* 36 Fg
Taw, R., *Devon, England* 36 Gg
Tawe R., *Glamorgan, etc., Wales* 36 Ge
Tay, Firth of, *Scotland* 35 Kg
Tay, L., *Perth, Scotland* 35 Hf
Tay, R., *Perth, Scotland* 35 Jf
Tayport, *Fife, Scotland* 35 Lg
Team Valley, *Durham, Eng.* 38 Ec
Tebay, *W'land, England* 38 Cd
Tees, R., *Durham, England* 38 Ec
Teesdale, *Durham, England* 38 Dc
Teifi, R., *Card., etc., Wales* 36 Fd
Teign, R., *Devon, England* 36 Gg
Teignmouth, *Devon, Eng.* 36 Hg
Teith, R., *Perth, Scotland* 35 Hg
Teme, R., *Worcester, etc., England* 36 Kd
Templemore, *Tipperary, Eire* 33 Hh
Tenbury, *Shrops., England* 36 Jd
Tenby, *Pembroke, Wales* 36 Ee
Tenterden, *Kent, England* 37 Rf
Test, R., *Hants., England* 37 Mf
Tetbury, *Glos., England* 37 Ke
Teviot, R., *Rox., Scotland* 35 Lj
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PART TWO—WORLD INDEX

LIST OF ABBREVIATIONS

Afghan. Afghanistan
Afr. Africa
Ala. Alabama
Alta. Alberta
Alg. Algeria
Antarc. Antarctica
Arabia, Saudi-Arabia
Arch. Archipelago
Argent. Argentina
Ariz. Arizona
Ark. Arkansas
Aust. Australia
Aut. Autonomous
B. Bay, Bahia, Baie, Bucht
Baluch. Baluchistan
B.C. British Columbia
Belg., Belgium, Belgian
Bol. Bolivia
Br. British
Bulg. Bulgaria
C. Cape, Cabo, Cap
Cal. California
Can. Canal
Car. Carolina
Cel. Celebes
Cent. Central
Chan. Channel
Co. County
Col. Colony
Colo. Colorado
Colomb. Colombia
Conn. Connecticut
Cord. Cordillera
Cr. Creek
Czech. Czechoslovakia
Del. Delaware
Den. Denmark
Dep. Department
Des. Desert
Dist. District
Div. Division
Dom. Dominicana
E. East, Eastern
Ecua. Ecuador
E.I. East Indies
Eire Republic of Ireland
Eng. England
Erit. Eritrea
Ethio. Ethiopia
Fd. Fjord
Fin. Finland
Fla. Florida
Fr. French, France
G. Gulf, Golfe, Golfo, Guba
Ga. Georgia
Geb. Gebirge (Mountains)
Ger. Germany
G.F. Goldfield
Grp. Group
Gt. Great
Guat. Guatemala
Harb. Harbour
Hd. Head
Hisp. Hispaniola
Hond. Honduras
Hung. Hungary
I., Is. Island, Islands, Île, Îles
Ia. Iowa
Ida. Idaho
Ill. Illinois
Ind. Indiana
Indon. Indonesia
It. Italian, Italy
Iv. Cst. Ivory Coast
Jeb. Jebel (Mountain)
Kan. Kansas
Kazakh. Kazakhskaya S.S.R.
Kep. Kepulauan (Islands)
Kirgiz. Kirgizskaya S.S.R.
Ky. Kentucky
L. Lake, Loch, Lough, Lago, Lac, Lagoon, Lagoa
La. Louisiana
Ld. Land
Leb. Lebanon
Lit. Little
Lith. Lithuania
Lr. Lower
Madag. Madagascar
Man. Manitoba
Mass. Massachusetts
Maur. Mauritania
Md. Maryland
Me. Maine
Mex. Mexico
Mich. Michigan
Minn. Minnesota
Miss. Mississippi
Mo. Missouri
Mong. Mongolia
Mont. Montana
Moçamb. Moçambique
Mt., Mte. Mount, Mont, Monte
N. North, Northern, New
Nat. National
N.B. New Brunswick
N.C. North Carolina
N. Dak. North Dakota
Neb. Nebraska
Nev. Nevada
Nfd. Newfoundland
N.H. New Hampshire
Nic. Nicaragua
N. Ire. Northern Ireland
N.J. New Jersey
N. Mex. New Mexico
N.S. Nova Scotia
N.S.W. New South Wales
N.-W. Terr. North-West Territories
N.Y. New York
N.Z. New Zealand
O. Ohio
O., Os., Ostrov (Island)
Ova., Ostrova (Islands)
Oc. Ocean
O.F.S. Orange Free State
Okla. Oklahoma
Ont. Ontario
Ore. Oregon
Oz. Ozero (Lake)
Pa. Pennsylvania
Pac. Pacific
Pak. Pakistan
Pan. Panama
Para. Paraguay
P.E.I. Prince Edward Island
Pen. Peninsula
Phil. Philippines
Pk. Peak, Park
Plat. Plateau
Pol. Poluostrov (Peninsula)
Port. Portuguese, Portugal
Princip. Principality
Prot. Protectorate
Prov. Province
Pt. Point, Pointe
Pta. Punta (Point)
Pto. Puerto
Qnsld. Queensland
Que. Quebec
R. River, Rio, Rivière
Ra. Range
Rep. Republic
Res. Reservoir
Rhod. Rhodesia
R.I. Rhode Island
Rum. Rumania
Russ. Russia
S. South, Southern
Sa. Serra, Sierra
Sard. Sardinia
Sask. Saskatchewan
S.C. South Carolina
Scot. Scotland
Sd. Sound
S. Dak. South Dakota
S. San, Santo
Set. Settlement
Sol. Solomon
Som. Somaliland
Sp. Spanish, Spain
S.S.R. Soviet Socialist Republic
St., Ste., Sta. Saint, Sainte, Santa
Str. Strait
Swed. Sweden
Switz. Switzerland
Tadzhik. Tadzhikskaya S.S.R.
Tan. Tanzania
Tenn. Tennessee
Terr. Territory
Tex. Texas
Trans. Transvaal
Turkmen. Turkmenskaya S.S.R.
Ukr. Ukraine
Up. Upper
U.S.A. United States of America
U.S.S.R. Union of Soviet Socialist Republics
Ut. Utah
Uzbek. Uzbekskaya S.S.R.
Va. Virginia
Val. Valley
Vdkhr. Vodokhranilishche (Reservoir)
Venez. Venezuela
Vict. Victoria
Vol. Volcano
Vt. Vermont
W. West, Western
Wash. Washington
W.I. West Indies
Wis. Wisconsin
Wyo. Wyoming
Yugosl. Yugoslavia

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Actaeon Grp., *Tuamotu Arch.* 99 Mk
Acton Vale, *Quebec* 83 Kc
Açu & R., *Brazil* 91 Ke
Ada, *Oklahoma* 84 Ge
Adair, C., *N.-W. Territories* 81 Sb
Adak, I., *Aleutian Is.* 85 Vm
Adalia. *See* Antalya
Adam, *Muscat & Oman* 73 Ge
Adama, *Ethiopia* 77 Hc
Adamello, Mt., *Italy* 54 Cb
Adams, *New York* 83 Hd
Adam's Bridge, *India-Ceylon* 68 Eg
Adams, Mt., *Washington* 87 Cb
Adam's Pk., *Ceylon* 68 Fg
Adana, *Turkey* 72 Cb
Adapazari, *Turkey* 72 Ba
Adare, *Eire* 31 Bh
Adare, C., *Antarctica* 100 Lb
Adavale, *Queensland* 95 He
Addis Ababa, *Ethiopia* 77 Hc
Addis Derra, *Ethiopia* 77 Hb
Addison, *New York* 86 Ba
Adelaer, C., *Greenland* 39 Pc
Adelaide, *Cape Province* 75 Df
Adelaide, *S. Australia* 95 Gf
Adelaide, I., *Antarctica* 100 Sc
Adelaide Pen., *N.-W. Terr.* 80 Mc
Adelaide River, *N. Terr. Aust.* 94 Fb
Adelboden, *Switzerland* 45 Cb
Ademuz, *Spain* 51 Eb
Aden, *S. Yemen* 72 Eg
Aden, *See* South Yemen, *S.W. Asia*
Aden, G. of, *Africa-Arabia* 40 Dg
Adh Dhahiriya, *Jordan* 74 Cf
Adhoi, *India* 68 Dd
Adhra, *Syria* 74 Ed
Adi, I., *W. Irian* 63 Kl
Adi Kaie, *Eritrea* 77 Hb
Adilabad, *India* 68 Ee
Adirondack Mts., *New York* 83 Jc
Adi Ugri, *Eritrea* 77 Hb
Admiralty G., *W. Australia* 94 Eb
Admiralty Is., *Pacific Ocean* 98 Dh
Adolfo Alsina, *Argentina* 92 De
Adoni, *India* 68 Ee
Adoumre, *Cameroon* 79 Hg
Adour R., *France* 53 Ce
Adra, *Spain* 50 Dd
Adraj, *Arabia* 73 Fe
Adrano, *Sicily* 55 Eg
Adrar, *Algeria* 78 Ec
Adria, *Italy* 54 Dc
Adrian, *Michigan* 83 De
Adriatic Sea, *Italy* 54 Ed
Aduwa, *Ethiopia* 77 Hb
Aegean Sea, *Greece* 57 Ee
Aeltre, *Belgium* 44 Bc
Ærösköbing, *Denmark* 47 Dj
Aesch, *Switzerland* 45 Ca
Afferden, *Netherlands* 44 Ec
Affua, *Brazil* 91 Gd
Afghanistan, *Asia* 73 Hc
Afif, *Arabia* 72 De
Afogados de Ingazeira, *Brazil* 91 Ke
Afognak I., *Alaska* 85 Xm
Afrin, *Syria* 74 Ea
Afula, *Israel* 74 De
Afyon, *Turkey* 72 Bb
Agab Workei, *Ethiopia* 77 Hb
Agadès, *Niger* 78 Ge
Agadir, *Morocco* 78 Db
Agartala, *India* 69 Hd
Agattu, I., *Aleutian Is.* 85 Um
Agawa, *Ontario* 83 Db
Agde, *France* 53 Ee
Agen, *France* 53 Dd
Agiabampo, *Mexico* 88 Cb
Agira, *Sicily* 55 Eg
Agnebilekrou, *Ivory Coast* 78 Eg
Agno, *Switzerland* 45 Dc
Agordat, *Eritrea* 77 Ha
Agra, *India* 71 Bb
Agram. *See* Zagreb
Agrigento, *Sicily* 55 Dg
Agrihan, I., *Mariana Is.* 98 Df
Agrinion, *Greece* 57 Ce
Agropoli, *Italy* 55 Ee
Agua Clara, *Brazil* 91 Gh
Aguadas, *Colombia* 90 Bb
Aguadilla, *Puerto Rico* 89 Fc
Aguadulce, *Panama* 89 Ce
Agua Prieta, *Mexico* 83 Ca
Aguaray, *Argentina* 92 Db
Aguascalientes, *Mexico* 88 Dc
Agudo, *Spain* 50 Cc
Agudos, *Brazil* 91 Hh
Aguilar, *Spain* 50 Cd
Aguilar de Campos, *Spain* 50 Ca
Aguilas, *Spain* 51 Ed
Aguirre, B., *Argentina* 92 Cj
Agulhas C., *Cape Province* 75 Cf
Agusta, *W. Australia* 94 Cf
Ahar, *Iran* 72 Eb
Ahmadnegar, *India* 68 De
Ahmadpur, *W. Pakistan* 70 Bf
Ahmedabad, *India* 68 Dd
Ahraura, *India* 71 Dc
Ahuachapan, *Salvador* 89 Ad
Ahualulco, *Mexico* 88 Dc
Ahus, *Sweden* 47 Fj
Ahvaz, *Iran* 72 Ec
Ahvenanmaa, *Finland* 47 Hf
Ahwar, *S. Yemen* 72 Eg
Aigle, *Switzerland* 45 Bb
Aihunkiu, *China* 62 Ja
Aijal, *India* 69 Hd
Aikawa, *Japan* 66 Fe
Aileron, *N. Terr., Aust.* 95 Fd
Aim, *Russia* 59 Nc
Aimores, *Brazil* 91 Jg
Ain, dep., *France* 52 Fc
Ain Galakka, *Chad* 78 Je
Ain Safra, *Mauritania* 78 Ce
Ain Sefra, *Algeria* 78 Eb
Aire, *France* 53 Ce
Aire, R., *England* 31 Gg
Airolo, *Switzerland* 45 Db
Aishihik L., *Yukon* 80 Dd
Aisne, dep., *France* 52 Eb
Aiun, El, *Sp. W. Africa* 78 Cc
Aix, *France* 53 Fe
Aix, Mt., *Washington* 87 Cb
Aix-la-Chapelle. *See* Aachen
Aiyina I., *Greece.* 57 Df
Aiyion, *Greece* 57 Ce
Aizpute, *Latvia* 47 Jh
Ajaccio & G. d', *Corsica* 55 Be
Ajaigarh, *India* 71 Cc
Ajanta, *India* 68 Ed
Ajanta Ra. *See* Sahiadriparvat
Ajib, *Muscat & Oman* 73 Ge
Ajibba, *Arabia* 72 Dd
Ajigasawa, *Japan* 66 Gd
Ajlun, *Jordan* 74 De
Ajmer, *India* 68 Dc
Ajoewa, *Surinam* 91 Fc
Akalkot, *India* 68 Ee
Akan Nat. Park, *Japan* 66 Hc
Akanthou, *Cyprus* 74 Bb
Akaoka, *Japan* 66 Ch
Akarnania & Aitolia, *Greece* 57 Ce
Akaroa, *New Zealand* 93 De
Akashi, *Japan* 66 Dg
Akbarpur, *India* 71 Cb
Akcha, *Afghanistan* 73 Jb
Akhdhar, Jeb., *Muscat & Oman* 73 Ge
Akhisar, *Turkey* 72 Ab
Akhterin, *Syria* 74 Fa
Akhtopol, *Bulgaria* 56 Fc
Akhtyrka, *Ukraine* 60 Jf
Akimiski I., *N.-W. Terr.* 81 Qf
Akita, *Japan* 66 Ge
Akkrum, *Netherlands* 44 Da
Aklavik, *N.-W. Territories* 80 Dc
Akmolinsk, *Kazakh.* 58 Gc
Ako, *Nigeria* 76 Cb
Akola, *India* 68 Ed
Akpatok I., *N.-W. Terr.* 81 Td
Akra, Jebel el, *Turkey* 74 Db
Akron, *Ohio* 83 Fe
Akrotiri Pen., *Crete* 57 Eg
Aksaray, *Turkey* 72 Bb
Aksehir, *Turkey* 72 Bb
Aksha, *Russia* 59 Lc
Äksi, *Estonia* 47 Mg
Akti, *Greece* 57 Ed
Aktyubinsk, *Kazakhstan* 58 Ec
Akure, *Nigeria* 78 Gg
Akureyri, *Iceland* 46 Wm
Akyab, *Burma* 69 Hd
Akzhal, *Kazakhstan* 58 Hd
Alabama, state, *U.S.A.* 85 Je
Alabama R., *Alabama* 85 Je
Alaejos, *Spain* 50 Cb
Alagoas, *Brazil* 91 Ke
Alagoinhas, *Brazil* 91 Kf
Alagón, *Spain* 51 Eb
Alapur, *India* 71 Bb
Al'ayn, *Muscat & Oman* 73 Gf
Alaysky Khrebet, *Kirgiz.* 58 Ge
Alaja, *Syria* 74 Db
Alajuela, *Costa Rica* 89 Cd
Alam, *Ethiopia* 77 Hc
Alameda, *California* 87 Bg
Alameda, *Saskatchewan* 80 Lg
Alamogordo, *New Mexico* 84 Ee
Alamos, *Mexico* 88 Cb
Alamosa, *Colorado* 84 Ed
Åland. *See* Ahvenanmaa
Ålans Hav, *Swed.-Finland* 47 Hg
Alapayevsk, *Russia* 61 Qb
Alasehir, *Turkey* 72 Ab
Ala Shan, *China* 62 Dc
Al Ashkharah, *Muscat & Oman* 73 Ge
Alaska, state, *U.S.A.* 85 Xl
Alaska, G. of, *Alaska* 85 Ym
Alaska Highway, *Alaska* 80 Cd
Alaska Pen, *Alaska* 85 Xm
Alaska Ra., *Alaska* 85 Xl
Alatyr, *Russia* 61 Hc
Alavus, *Finland* 46 Ke
Alazeyskoye Plat., *Russia* 59 Pb
Albacete, *Spain* 51 Ec
Alba de Tormes, *Spain* 50 Cb
Albaida, *Spain* 51 Ec
Alba Iulia, *Rumania* 56 Da
Albanel L., *Quebec* 82 Ba
Albania, *S. Europe* 56 Cd
Albany, *Georgia* 85 Ke
Albany, *New York* 83 Kd
Albany, *Oregon* 87 Bc
Albany, *W. Australia* 94 Cf
Albany R., *Ontario* 81 Qf
Albarracin, *Spain* 51 Eb
Albergaria a-Velha, *Port.* 50 Ab
Alberique, *Spain* 51 Ec
Albert, *New Brunswick* 82 Fd
Alberton, *Prince Edward I.* 82 Fe
Albertville, *Congo* 77 Ff
Albertville, *France* 52 Gd
Albi, *France* 53 Ee
Albina, *Surinam* 91 Gb
Albion, *Michigan* 83 Dd
Albion, *New York* 86 Aa
Albocácer, *Spain* 51 Eb
Albufeira, *Portugal* 50 Ad
Albuñol, *Spain* 50 Dd
Albuquerque, *New Mexico* 84 Ed
Alburquerque, *Spain* 50 Bc
Albury, *New South Wales* 95 Jg
Alcacer do Sal, *Portugal* 50 Ac
Alcalá de Chisvert, *Spain* 51 Fb
Alcalá de Henares, *Spain* 50 Db
Alcamo, *Sicily* 55 Dg
Alcañices, *Spain* 50 Bb
Alcañiz, *Spain* 51 Eb
Alcántara, *Brazil* 91 Jd
Alcántara, *Spain* 50 Bc
Alcantarilla, *Spain* 51 Ed
Alcaraz, *Spain* 51 Dc
Alcatraz, I., *San Francisco* 84 Bd
Alcázar de San Juan, *Spain* 50 Dc
Alchevsk, *Ukraine* 60 Lg
Alcira, *Spain* 51 Ec
Alcobaça, *Portugal* 50 Ac
Alcolea del Pinar, *Spain* 51 Db
Alcoutim, *Portugal* 50 Bd
Alcoy, *Spain* 51 Ec
Alcuhemas, *Morocco* 78 Ea
Aldabra Is., *Indian Ocean* 77 Ka
Aldama, *Chihuahua, Mexico* 88 Cb
Aldama, *Tamaulipas, Mexico* 88 Ec
Aldan & R., *Russia* 59 Mc
Aldeburgh, *England* 31 Jh
Alderney, I., *Channel Is.* 31 Ak
Aldershot, *England* 31 Gj
Al Dola, *S. Yemen* 72 Eg
Alegrete, *Brazil* 92 Ec
Aleih, *Lebanon* 74 Dd
Aleksandrov, *Russia* 60 Lc
Aleksandrovsk Sakhalinskiy, *Russia* 59 Pc
Aleksandry, Zemlya, *Arctic Ocean* 58 Da
Alekseyevka, *Russia* 61 Hd
Alekseyevka, *Kazakhstan* 58 Gc
Alençon, *France* 52 Db
Alenquer, *Portugal* 50 Ac
Alenquer, *Brazil* 91 Gd
Aleppo, *Syria* 74 Fa
Ales, *France* 53 Fd
Aleshki, *Russia* 61 Ee
Alessandria, *Italy* 54 Bc
Ålesund, *Norway* 46 Be
Aletschhorn, Mt., *Switz.* 45 Cb
Aleutian Is., *Bering Sea* 85 Um
Alexander Arch., *Alaska* 85 Zm
Alexander I, I., *Antarctica* 100 Sc
Alexandra, *New Zealand* 93 Bf
Alexandretta. *See* Iskenderun
Alexandria, *Egypt* 79 Lb
Alexandria, *Louisiana* 85 He
Alexandria, *Ontario* 83 Jc
Alexandria, *Virginia* 86 Bc
Alexandrina, L., *S. Aust.* 95 Gg
Alexandroúpolis, *Greece* 57 Ed
Alexikovo, *Russia* 61 Fe
Aleysk, *Russia* 58 Hc
Alfaro, *Spain* 51 Ea
Ali Fāw, *Iraq* 72 Ed
Alfred, *Maine* 86 Ea
Aga, *Kazakhstan* 58 Ed
Ålgård, *Norway* 47 Ag
Algarrobo del Aguila, *Argent.* 92 Ce
Algäuer Alpen, *Austria, etc.* 48 De
Algeciras, *Spain* 50 Cd
Alger (Algiers), *Algeria* 53 Nf
Algeria, *N.-W. Africa* 78 Eb
Al Ghail, *Yemen* 72 Ef
Alghero, *Sardinia* 55 Be
Algo B., *Cape Province* 75 Df
Algoma, *Ontario* 83 Eb
Algoma, *Wisconsin* 83 Cc
Algonquin Park, *Ontario* 83 Gc
Alguada Reef, *Burma* 69 He
Alhama de Granada, *Spain* 50 Dd
Al Hasa, *Arabia* 72 Ed
Al Hauta, *S. Yemen* 72 Ef
Al Hayy, *Iraq* 72 Ec
Alhucemas, I., *Spain* 50 De
Alia, *Sicily* 55 Dg
Aliaga, *Spain* 51 Eb
Alibag, *India* 68 De
Alicante, *Spain* 51 Ec
Alice Springs, *N. Terr., Aust.* 95 Fd
Alicudi, I., *Italy* 55 Ef
Aliganj, *India* 71 Bb
Aligarh, *India* 70 Fg
Ali Khel, *Afghanistan* 73 Jc
Alimnia, I., *Greece* 57 Ff
Aling Kangri, *Tibet* 68 Fb
Alingsås, *Sweden* 47 Eh
Alipur, *India* 71 Gd
Alipur, *India* 71 Gb
Alipur, *W. Pakistan* 70 Bf
Alipura, *India* 71 Bc
Alirajpur, *India* 68 Dd
Alivérion, *Greece* 57 Ee
Al Jawf, *Arabia* 72 Cd
Al Jesab, *Arabia* 72 Ef
Aljustrel, *Portugal* 50 Ad
Alken, *Belgium* 44 Dd
Alkmar, *Netherlands* 44 Cb
Al Kut, *Iraq* 72 Ec
Allahabad, *India* 71 Cc
Allanmyo, *Burma* 69 Je
Allariz, *Spain* 50 Ba
Allaykha, *Russia* 59 Pa
Alle, *Belgium* 44 Ce
Allegan, *Michigan* 83 Dd
Alleghany Mts., *U.S.A.* 85 Kd
Allegheny R., *N.Y., etc.* 86 Aa
Allen L., *Eire* 31 Bf
Allenby Bridge, *Jordan* 74 Df
Allentown, *Pennsylvania* 86 Cb
Alleppey, *India* 68 Eg
Alliance, *Ohio* 83 Fe
Allier, dep., *France* 52 Ec
Allier, R., *France* 52 Ed
Alliston, *Ontario* 83 Gc
Alloa, *Scotland* 30 Ed
All Pines, *Brit. Honduras* 89 Bc
Al Luhaygah, *Yemen* 72 Df
Allumette I., *Quebec* 83 Hc
Alma, *Michigan* 83 Dd
Alma, *New Brunswick* 82 Fd
Alma Ata, *Kazakhstan* 58 Gd
Almadén, *Spain* 50 Cc
Almagro, *Spain* 50 Dc
Almansa, *Spain* 51 Ec
Almazán, *Spain* 51 Db
Almeirim, *Brazil* 91 Gd
Almeirim, *Portugal* 50 Ac
Almelo, *Netherlands* 44 Eb
Almeria & Gulf, *Spain* 51 Dd
Almirante, *Panama* 89 Ce
Almiropótamos, *Greece* 57 Ee
Almirós, *Greece* 57 De
Almodôvar, *Portugal* 50 Bd
Almodóvar, *Spain* 50 Cc
Almonte, *Ontario* 83 Hc
Almora, *India* 71 Ba
Almorox, *Spain* 50 Cb
Almudébar, *Spain* 51 Ea
Almunia de Doña Godina, la, *Spain* 51 Eb

Al Musayyib, *Iraq* 72 Dc
Al Muwaila, *Arabia* 72 Cd
Alness, *Scotland* 30 Ec
Alnwick, *England* 30 Fe
Alocén, *Spain* 51 Db
Aloja, *Latvia* 47 Lh
Alon, *Burma* 69 Jd
Alón. See Iliodhrómia, I.
Alor, I., *Indonesia* 63 Hm
Alora, *Spain* 50 Cd
Alor Star, *W. Malaysia* 67 Ce
Alost, *Belgium* 44 Cd
Aloysius, Mt., *W. Australia* 94 Ee
Alpena, *Michigan* 83 Ec
Alpes-Maritimes, dep., *Fr.* 53 Ge
Alphen, *Netherlands* 44 Cb
Alpine, *Texas* 84 Fe
Alps, Mts., *Cent. Europe* 43 Jg
Al Qara, *Arabia* 72 Dd
Al Qayyara, *Iraq* 72 Db
Al Qunfidhah, *Arabia* 72 Df
Al Qurnah, *Iraq* 72 Ec
Als, I., *Denmark* 47 Cj
Alsten, *Norway* 46 Ed
Alston, *England* 31 Ff
Alšvanga, *Latvia* 47 Jh
Alta Gracia, *Argentina* 92 Dd
Altagracia, *Venezuela* 90 Ca
Altagracia de Orituco, *Venez.* 90 Db
Altai, Mts., *Central Asia* 58 Hc
Altamachi, *Bolivia* 90 Dg
Altamaha R., *Georgia* 85 Ke
Altamira, *Brazil* 91 Gd
Altamura, *Italy* 55 Fe
Altan Bulag, *Mongolia* 59 Kc
Altar, *Mexico* 88 Ba
Altata, *Mexico* 88 Cc
Altdorf, *Switzerland* 45 Db
Altea, *Spain* 51 Fc
Altenburg, *Germany* 48 Ec
Altin Koprü, *Iraq* 72 Db
Altmark, *Germany* 48 Db
Alto Araguaia, *Brazil* 91 Gg
Alto Longa, *Brazil* 91 Je
Alto Madeira, *Brazil* 90 Ee
Alto Molocue, *Moçambique* 77 Hh
Alton, *Illinois* 83 Af
Altona, *Germany* 48 Cb
Altona, *New York* 83 Kc
Altoona, *Pennsylvania* 86 Ab
Altstätten, *Switzerland* 45 Ea
Alturas, *California* 87 Ce
Altyn Tagh, *China* 40 He
Al Ugla, *Arabia* 72 Cd
Al 'Uj, *Arabia* 72 Ee
Alūksne, *Latvia* 47 Mh
Alula, *Somalia* 77 Lb
Alumine, *Argentina* 92 Be
Alupka, *Russia* 60 Jj
Alushta, *Russia* 60 Jj
Alvarado, *Mexico* 88 Ed
Alvear, *Argentina* 92 De
Alvesta, *Sweden* 47 Fh
Älvho, *Sweden* 47 Ff
Alvito, *Portugal* 50 Ac
Alvord, L., *Oregon* 87 Dd
Al Wajh, *Arabia* 72 Cd
Alwar, *India* 70 Eg
Alward, *New Brunswick* 82 Fc
Alyab, *Sudan* 79 Me
Alytus, *Lithuania* 47 Li
Amadeus L., *N. Terr., Aust.* 94 Ed
Amadi, *Sudan* 79 Mg
Amadiyah, *Iraq* 72 Db
Amadjuak L., *N.-W. Terr.* 81 Sd
Amakusa Nada, *Japan* 66 Ah
Amål, *Sweden* 47 Eg
Amalfi, *Italy* 55 Ee
Amaliás, *Greece* 57 Cf
Amami Gunto, *Japan* 66 Nn
Amanalco, *Mexico* 88 Dd
Amantea, *Italy* 55 Ef
Amapa, *Brazil* 91 Gc
Amapala, *Honduras* 89 Bd
Amarah, *Iraq* 72 Ec
Amarante, *Brazil* 91 Je
Amarapura, *Burma* 69 Jd
Amaravti, *India* 68 Ed
Amargosa, *Brazil* 91 Kf
Amarillo, *Texas* 84 Fd
Amasra, *Turkey* 72 Ba
Amasya, *Turkey* 72 Ca
Amatique, G. de, *Guatemala* 88 Gd
Amatitlan, *Guatemala* 88 Fe
Amazon, Mths. of the, *Brazil* 91 Hc
Amazonas, R., *Brazil* 91 Gd
Amb, *W. Pakistan* 70 Cc
Ambala, *India* 70 Ee
Ambalavoa, *Madagascar* 77 Hl
Ambam, *Cameroon* 76 Cd
Ambar, *Iran* 73 Gc
Ambarchik, *Russia* 59 Rb
Ambato, *Ecuador* 90 Bd
Ambato-Boéni, *Madagascar* 77 Nk
Amberg, *Germany* 48 Dd
Ambergris Cay, *Bahama Is.* 89 Eb
Ambergris Cay, *Brit. Hond.* 89 Bc
Ambérieu, *France* 52 Fc
Ambert, *France* 52 Ed
Ambikapur, *India* 71 Dd
Ambilobe, *Madagascar* 77 Nj
Amblève, *Belgium* 44 Ed
Ambohimahasoa, *Madag.* 77 Nl
Ambon, I., *Indonesia* 63 Jl
Ambositra, *Madagascar* 77 Nl
Ambrim, I., *New Hebrides* 98 Fj
Ambriz, *Angola* 76 Cf
Ambrizete, *Angola* 76 Cf
Amchitka, I., *Aleutian Is.* 85 Um
Amd, *Aden* 72 Ef
Amderma, *Russia* 58 Fb
Ameca, *Mexico* 88 Dc
Ameland I., *Netherlands* 44 Da
American Fork, *Utah* 84 Dc
Americus, *Georgia* 85 Ke
Amerongen, *Netherlands* 44 Db
Amersfoort, *Netherlands* 44 Db
Amesbury, *Massachusetts* 86 Ea
Amethi, *India* 71 Cb
Amfiklia, *Greece* 57 De
Amfilokhia, *Greece* 57 Ce
Amga & R., *Russia* 59 Nb
Amgu, *Russia* 59 Nd
Amherst, *Burma* 69 Je
Amherst, *Massachusetts* 86 Da
Amherst, *Nova Scotia* 82 Fd
Amherst I., *Ontario* 83 Hc
Amherstburg, *Ontario* 83 Ed
Amiens, *France* 52 Eb
Amik Lake, *Ontario* 83 Gc
Amindivi, I., *India* 68 Df
Amingaon, *India* 69 Hc
Aminuis, *S.-W. Africa* 75 Bd
Amirante Is., *Indian Ocean* 96 De
Amla, *Arabia* 72 De
Amlwch, *Wales* 31 Eg
Amm Adam, *Sudan* 79 Ne
Amman, *Jordan* 74 Df
Amol, *Iran* 73 Fb
Amorgós, I., *Greece* 57 Ef
Amos, *Quebec* 81 Rg
Amoy, *China* 65 Jk
Amparo, *Brazil* 91 Hh
Amqui, *Quebec* 82 Eb
Amraho, *Sudan* 79 Me
Amran, *Yemen* 72 Df
Amreli, *India* 68 Dd
Amriswil, *Switzerland* 45 Ea
Amritsar, *India* 70 De
Amroha, *India* 71 Ba
Amstelveen, *Netherlands* 44 Cb
Amsterdam, *Netherlands* 44 Cb
Amsterdam, *New York* 86 Ca
Amsterdam, I., *Indian Ocean* 96 Fh
Am Timan, *Chad* 79 Kf
Amu Darya, *Turkmenistan* 58 Fd
Amund Ringnes I., *N.W. Terr.* 80 Ma
Amundsen G., *N.-W. Terr.* 80 Ga
Amundsen Sea, *Antarctica* 100 Qb
Amur, R., *Russia-China* 59 Mc
Amyun, *Lebanon* 74 Dc
An, *Burma* 69 He
Anabta, *Jordan* 74 De
Anaconda, *Montana* 87 Gb
Anadyr & R., *Russia* 59 Sb
Anadyrskiy Zaliv, *Russia* 59 Tb
Anáfi, I., *Greece* 57 Ef
Anah, *Iraq* 72 Dc
Anai, *Libya* 79 Hd
Anaimalai Hills, *India* 68 Ef
Anaiza. See Unayzah
Anakapalle, *India* 69 Fe
Analalava, *Madagascar* 77 Nj
Anama, *Brazil* 90 Ed
Anambas Kep., *Indonesia* 63 Ek
Anamizu, *Japan* 66 Ef
Anandpur, *India* 70 Ee
Anantapur, *India* 68 Ef
Anápolis, *Brazil* 91 Hg
Anar, *Iran* 73 Gc
Anarak, *Iran* 73 Fc
Anardarra, *Afghanistan* 73 Hc
Anatolia, *Turkey* 72 Bb
Añatuya, *Argentina* 92 Dc
Anchorage, *Alaska* 85 Yl
Anchuras, *Spain* 50 Cc
Ancohuma, Mt., *Bolivia* 90 Dg
Ancon, *Peru* 90 Bf
Ancona, *Italy* 54 Dd
Ancud, *Chile* 92 Bf
And Fd., *Norway* 46 Gb
Andacollo, *Argentina* 92 Be
Andalgala, *Argentina* 92 Cc
Åndalsnes, *Norway* 46 Be
Andaman Is. & Str., *Bay of Bengal* 69 Hf
Andaman Sea, *Bay of Bengal* 69 Hf
Andeer, *Switzerland* 45 Eb
Andelfingen, *Switzerland* 45 Da
Andenne, *Belgium* 44 Dd
Andermatt, *Switzerland* 45 Db
Anderson, *Indiana* 83 De
Anderson, *S. Carolina* 85 Ke
Anderson R., *N.-W. Terr.* 80 Fc
Andes, Cord. de los, *South America* 92 Cc
Andevoranto, *Madagascar* 77 Nk
Andhra Pradesh, *India* 68 Ee
Andikíthira I., *Greece* 57 Dg
Andímilos, I., *Greece* 57 Ef
Andíparos, I., *Greece* 57 Ef
Andizhan, *Uzbek.* 58 Gd
Andkhui, *Afghanistan* 73 Jb
Andoas, *Ecuador* 90 Bd
Andorra & rep., *Pyrenees* 51 Fa
Andover, *Massachusetts* 86 Ea
Andöy, *Norway* 46 Fb
Andrade, *Moçambique* 75 Fc
Andreanof Is., *Aleutian Is.* 85 Vm
Andreas, C., *Cyprus* 74 Cb
Andrelándia, *Brazil* 91 Jh
Andreyevka, *Ukraine* 60 Jg
Andria, *Italy* 55 Fe
Andriba, *Madagascar* 77 Nk
Andritsaina, *Greece* 57 Cf
Andros I., *Bahama Is.* 89 Db
Andros, I., *Greece* 57 Ef
Androscoggin R., *Maine* 82 Cd
Anegada, B., *Argentina* 92 Df
Anegada, I., *Virgin Is.* 89 Gc
Anelo, *Argentina* 92 Ce
Aney, *Niger* 79 He
Anfa, *Lebanon* 74 Dc
Angangueo, *Mexico* 88 Dd
Angel Fall, *Venezuela* 90 Eb
Angel de la Guarda, I., *Mexico* 88 Bb
Angelholm, *Sweden* 47 Eh
Angers, *France* 52 Cc
Angikuni L., *N.-W. Terr.* 80 Md
Angkor, *Cambodia* 67 Cd
Anglesey, *Wales* 31 Eg
Angliers, *Quebec* 83 Gb
Angmagssalik, *Greenland* 39 Nc
Angol, *Chile* 92 Be
Angola, *New York* 86 Aa
Angola, *W. Africa* 76 Dg
Angontsy, *Madagascar* 77 Pk
Angora. See Ankara
Angoulême, *France* 52 Dd
Angoumois, prov., *France* 52 Dd
Angra, *Brazil* 91 Jh
Anguilla, I., *Leeward Is.* 89 Gc
Angul, *India* 69 Gd
Angus, co., *Scotland* 30 Ed
Anholt, I., *Denmark* 47 Dh
Anhwei, prov., *China* 64 Hf
Anina, *Rumania* 56 Cb
Anjengo, *India* 68 Eg
Anjou, prov., *France* 52 Cc
Anjouan I., *Comores, Archipel des, Madagascar,* 77 Jg
Anjozorobe, *Madagascar* 77 Nk
Ankacho, *Russia* 59 Kb
Ankang, *China* 64 Df
Ankara, *Turkey* 72 Ba
Anking., *China* 65 Hg
Ankober, *Ethiopia* 77 Hc
Ankwo, *China* 64 Gc
Anlier, *Belgium* 44 De
Anlu. See Chungsiang
Ann C., *Antarctica* 100 Ec
Ann C., *Massachusetts* 86 Ea
Anna, *Russia* 61 Ee
Annaba, *Algeria* 79 Ga
Annai, *Guyana* 90 Fc
An Najaf, *Iraq* 72 Dc
Annam, *Vietnam* 67 Dc
Annan, *Scotland* 30 Ee
Annapolis, *Maryland* 86 Bc
Annapolis, *Nova Scotia* 82 Fd
Ann Arbor, *Michigan* 83 Ed
An Nasiriyah, *Iraq* 72 Ec
Annecy & L. d', *France* 52 Gd
Anniston, *Alabama* 85 Je
Annobon I., *Gulf of Guinea* 76 Be
Annonay, *France* 53 Fd
An Numas, *Arabia* 72 Df
Anole, *Somalia* 77 Je
Ano Viánnos, *Crete* 57 Eg
Anpehi, *China* 64 Db
Ansariya, Jebel el, *Syria* 74 Eb
Ansbach, *Germany* 48 Dd
Anshan, *China* 62 Hb
Anshun, *China* 65 Bj
Ansi, *China* 62 Cb
Ansin, *China* 64 Gc
Anson B., *N. Terr., Aust.* 94 Eb
Ansongo, *Mali* 78 Fe
Ansonia, *Connecticut* 86 Db
Anta, *Peru* 90 Cf
Antakya, *Turkey* 74 Ea
Antalo, *Ethiopia* 77 Hb
Antalya, *Turkey* 72 Bb
Antalya, G. of, *Turkey* 72 Bb
Antarctica 100
Antequera, *Paraguay* 92 Eb
Antequera, *Spain* 50 Cd
Anthony Lagoon, *N.T., Aust.* 95 Gc
Antibes, *France* 53 Ge
Anticosti I., *Quebec* 82 Gb
Antigo, *Wisconsin* 83 Bc
Antigonish, *Nova Scotia* 82 Gd
Antigua, I., *Leeward Is.* 89 Gc
Antilhue, *Chile* 92 Be
Antilla, *Cuba* 89 Db
Antilles, Greater, *W.I.* 89
Antilles, Lesser, *West Indies* 89
Antioch. See Antakya
Antioquia, *Colombia* 90 Bb
Antipodes Is., *Pacific Ocean* 98 Gm
Antivari. See Bar
Antofagasta, *Chile* 92 Bb
Antofagasta de la Sierra *Argentina* 92 Cc
Antofalla, Mt., *Argentina* 92 Cc
Antoing, *Belgium* 44 Bd
Antongil, B. d', *Madagascar* 77 Nk
Antrain, *France* 52 Cb
Antrim & co., *N. Ireland* 31 Cf
Antrim Mts., *N. Ireland* 30 Ce
Antsirabe, *Madagascar* 77 Nk
Antsirane, *Madagascar* 77 Nj
Antsla, *Estonia* 47 Mh
Antung, *China* 64 Mb
Antwerpen & prov., *Belg.* 44 Cc
Anupgarh, *India* 70 Cf
Anupshahr, *India* 71 Ba
Anuradhapura, *Ceylon* 68 Fg
Anvers. See Antwerpen
Anyang, *China* 64 Gd
Anyi, *China* 64 Ee
Anykščiai, *Lithuania* 47 Lj
Anzhero Sudzhensh, *Russia* 58 Hc
Aomori, *Japan* 66 Gd
Aonla, *India* 71 Ba
Aorangi Mts., *New Zealand* 93 Ed
Aosta, *Italy* 54 Ac
Aoudèras, *Niger* 78 Ge
Apakova, *Russia* 61 Jc
Apalachee B., *Florida* 85 Kf
Apalachicola R., *Florida* 85 Kf
Aparri, *Philippines* 63 Hg
Apataki, I., *Tuamotu Arch.* 99 Lj
Apatin, *Yugoslavia* 56 Bb
Ape, *Latvia* 47 Mh
Apeldoorn, *Netherlands* 44 Db
Apennines, Mts., *Italy* 43 Kh
Api, Mt., *Nepal* 71 Ca
Apiai, *Brazil* 92 Gb
Apodi, *Brazil* 91 Ke
Apolo, *Bolivia* 90 Df
Apostle Is., *Wisconsin* 83 Ab
Apostoles, *Argentina* 92 Ec
Apoteri, *Guyana* 90 Fc
Apozai, *W. Pakistan* 68 Cb
Appalachian Mts., *U.S.A.* 85 Kd
Appenzell & canton, *Switz.* 45 Ea
Applecross, *Scotland* 30 Dc
Appleton, *Wisconsin* 83 Bc
Apt, *France* 53 Fe
Aqaba, *Jordan* 74 Dh
Aqarbat, *Syria* 74 Fb
'Aqda, *Iran* 73 Fc
Aqiq, *Sudan* 77 Ha
Aqraba, *Jordan* 74 De
Aquidauana, *Brazil* 91 Fh
Aquila, L', *Italy* 54 Dd
Aquin, *Haiti* 89 Ec
Arabia (Saudi Kingdom), *W. Asia* 72
Arabian Sea, *S. Asia* 40 Fg
Aracaju, *Brazil* 91 Kf
Aracati, *Brazil* 91 Kd
Aracruz, *Brazil* 91 Kh
Araçuaí, *Brazil* 91 Jg
Arad, *Rumania* 56 Ca
Arada, *Chad* 79 Ke
Arafura Sea, *Indonesia* 63 Km
Aragua de Barcelona, *Venezuela* 90 Eb
Araguacema, *Brazil* 91 He
Araguaia, R., *Brazil* 91 He
Araguari, *Brazil* 91 Hg
Arak, *Iran* 72 Ec
Arakaka, *Guyana* 90 Fb
Arakan Yoma, *Burma* 69 Hd
Araks, R., *Iran, etc.* 58 De
Aral'sk, *Kazakh.* 58 Fd
Aral'skoye More (Aral Sea), *Kazakh.-Uzbek.* 58 Ed
Aramac, *Queensland* 95 Jd
Arambagh, *India* 71 Fd
Aran Is., *Eire* 31 Ag
Aranda de Duero, *Spain* 50 Db
Arandu, *W. Pakistan* 70 Bc
Arani, *Bolivia* 90 Dg
Aranjuez, *Spain* 50 Db
Aranya, *Thailand* 67 Cd
Arapey, *Uruguay* 92 Ed
Arapkir, *Turkey* 72 Cb
Arapuni, *New Zealand* 93 Ec
Ararangua, *Brazil* 92 Gc
Ararat, *Victoria, Aust.* 95 Hg
Ararat, Mt., *Turkey* 72 Db
Araria, *India* 71 Fb
Araty, *Brazil* 90 Ce
Arauca, *Colombia* 90 Cb
Arauco, *Chile* 92 Be
Aravalli Ra., *India* 68 Dc
Araxa, *Brazil* 91 Hg
Arbai Khere, *Mongolia* 62 Da
Arbatax, *Sardinia* 55 Bf
Arbil, *Iraq* 72 Db
Arboga, *Sweden* 47 Fg
Arbois, *France* 52 Fc
Arbon, *Switzerland* 45 Ea
Arbroath, *Scotland* 30 Fd
Arcade, *New York* 83 Gd
Arcadia, *Michigan* 83 Cc
Arcen, *Netherlands* 44 Ec
Archbald, *Pennsylvania* 86 Cb
Archidona, *Spain* 50 Cd
Arcot, *India* 68 Ef
Arctic Ocean 39
Arctic Red River, *N.-W. Terr.* 80 Ec
Ardabil, *Iran* 72 Eb
Ardahan, *Turkey* 72 Da
Ardakan, *Iran* 73 Fc
Årdal, *Norway* 47 Bf
Ardal, *Iran* 73 Fc
Ardatov, *Russia* 61 Fc
Ardèche, dep., *France* 53 Fd
Ardennes, dep., *France* 52 Fb
Ardennes Mts., *Belgium, etc.* 52 Fa
Ardestan, *Iran* 73 Fc
Ardez, *Switzerland* 45 Fb
Ardglass, *N. Ireland* 31 Df
Ardino, *Bulgaria* 56 Ed
Ardmore, *Oklahoma* 84 Ge
Ardrishaig, *Scotland* 30 De
Ardrossan, *Scotland* 30 De
Ardud, *Rumania* 49 Ke
Arecibo, *Puerto Rico* 89 Fc
Areia Branco, *Brazil* 91 Kd
Arenales, *Argentina* 92 Dd
Arenales, Mt., *Chile* 92 Bg
Arenas de San Pedro, *Spain* 50 Cb
Arendal, *Norway* 47 Cg
Arenys de Mar, *Spain* 51 Gb
Arequipa, *Peru* 90 Cg
Areré, *Brazil* 91 Gd
Arévalo, *Spain* 50 Cb
Arezzo, *Italy* 54 Cd
Argentan, *France* 52 Cb
Argentat, *France* 53 Dd
Argentina, rep., *S. America* 92
Argentino, L., *Argentina* 92 Bh
Argent-sur-Sauldre, *France* 52 Ec
Argo, *Sudan* 79 Me
Argolís, G. of, *Greece* 57 Df
Argonne, *France* 52 Fb
Argos, *Greece* 57 Df
Arguedas, *Spain* 51 Ea
Argun, R., *Russia-Manchuria* 59 Lc
Argungu, *Nigeria* 78 Ff
Argyll, co., *Scotland* 30 Dd
Ariake Wan, *Japan* 66 Bj
Ariano Irpino, *Italy* 55 Ee
Arica, *Chile* 92 Ba
Arica, *Colombia* 90 Cd
Ariège, dep., *France* 53 De
Arilje, *Yugoslavia* 56 Cc
Arima, *Brazil* 90 Ee
Arinda, *Guyana* 90 Fc
Aripuana, *Brazil* 90 Ee
Ariquemes, *Brazil* 90 Ee
Arisaig, *Scotland* 30 Dd
Arivechi, *Mexico* 88 Cb
Ariza, *Spain* 51 Db
Arizona, *Argentina* 92 Ce
Arizona, state, *U.S.A.* 84 De
Arizpe, *Mexico* 88 Ba
Arka, *Russia* 59 Pb
Arka, *S. Yemen* 72 Eg
Arkadhía, *Greece* 57 Df
Arkansas, state, *U.S.A.* 85 He
Arkansas R., *Arkansas-Oklahoma* 85 Hd
Arkansas City, *Arkansas* 85 He
Arkansas City, *Kansas* 84 Gd
Arkhangel'sk, *Russia* 58 Db
Arklow, *Eire* 31 Ch
Arkoi, I., *Greece* 57 Ff
Arles, *France* 53 Fe
Arlon, *Belgium* 44 De
Arltunga, *N. Terr., Aust.* 95 Fd
Armagh & co., *N. Ireland* 31 Cf
Armenia, *Colombia* 90 Bc
Armenia. See Armyanskaya S.S.R.
Armentières, *France* 52 Ea
Armidale *New S. Wales* 95 Kf
Armirós, B. of, *Crete* 57 Eg
Armori, *India* 68 Fd
Armstrong, *Ontario* 81 Pf
Armyanskaya S.S.R. 58 Dd
Arnauti, C., *Cyprus* 74 Ab
Arnhem, *Netherlands* 44 Dc
Arnhem, C., *N. Terr., Aust.* 95 Gb
Arnhem Ld., *N. Terr., Aust.* 94 Fb
Arni, *India* 68 Ef
Arnissa, *Greece* 57 Cd
Arnöy, *Norway* 46 Ja
Arnprior, *Ontario* 83 Hc
Arnsberg, *Germany* 48 Cc
Arnstadt, *Germany* 48 Dc
Aroe Eiln. See Aru Kep.
Arolla, *Switzerland* 45 Cb
Aroostook, *New Brunswick* 82 Ec
Arorae, I., *Gilbert Is.* 98 Gh
Arosa, *Switzerland* 45 Eb
Arrah, *India* 71 Ec
Arraias, *Brazil* 91 Hf
Arran, I., *Scotland* 30 De
Arras, *France* 52 Ea
Arroba, *Spain* 50 Cc
Arromanches, *France* 52 Cb
Arronches, *Portugal* 50 Bc
Arrow L., *Eire* 31 Bf
Arrowtown, *New Zealand* 93 Bf
Arroyito, *Argentina* 92 Dd
Arroyo, *Puerto Rico* 89 Fc
Arsk, *Russia* 61 Jb
Arta, *Greece* 57 Ce
Artawiya, *Arabia* 72 Ed
Artemovsk, *Russia* 59 Jc
Artemovsk, *Ukraine* 60 Kg
Artemovskiy, *Russia* 59 Lc
Artemovskiy, *Russia* 61 Qb
Artenay, *France* 52 Db
Artibonite, R., *Haiti* 89 Ec
Artigas, *Uruguay* 92 Ed
Artillery L., *N.-W. Terr* 80 Kd
Artois, prov., *France* 52 Ea
Artvin, *Turkey* 72 Da
Aru, *Congo* 77 Gd
Aruba, I., *Caribbean* 89 Fd
Aruanã, *Brazil* 91 Gf
Aru Kep., *Indonesia* 63 Km
Arumá, *Brazil* 90 Ed
Arundel, *Quebec* 83 Jc
Aruppukkottai, *India* 68 Eg
Arusha, *Tanzania* 77 He
Aru Tso, *Tibet* 69 Fb
Arvida, *Quebec* 82 Cb
Arvika, *Sweden* 47 Eg
Arzamas, *Russia* 61 Fc
Arzeu, *Algeria* 78 Ea
Arzúa, *Spain* 50 Aa
Aš, *Czechoslovakia* 48 Ec
Asahigawa, *Japan* 66 Hc
Asansol, *India* 71 Fd
Åsarna, *Sweden* 46 Fe
Asbestos, *Quebec* 83 Lc
Asbury Park, *New Jersey* 86 Db
Ascension, *Bolivia* 90 Eg
Ascension, B. de la, *Mexico* 88 Gd
Ascension I., *Atlantic Ocean* 97 Jj
Asch, *Belgium* 44 Dc
Aschaffenburg, *Germany* 48 Cd
Ascoli Piceno, *Italy* 54 Dd
Ascona, *Switzerland* 45 Db
Ascotan, *Chile* 92 Cb
Åseda, *Sweden* 47 Fh
Åsele, *Sweden* 46 Gd
Åsen, *Sweden* 47 Ef
Asenovgrad, *Bulgaria* 56 Ed
Ash, *Muscat & Oman* 73 Ge
Ashburton, *New Zealand* 93 Ce
Ashburton, R., *W. Aust.* 94 Cd
Ashdod, *Israel* 74 Cf
Asheville, *N. Carolina* 85 Kd
Ashkhabad, *Turkmenistan* 58 Ee
Ashland, *Kentucky* 85 Kd
Ashland, *Maine* 82 Dc
Ashland, *Ohio* 83 Ee
Ashland, *Oregon* 87 Bd
Ashland, *Pennsylvania* 86 Bb
Ashland, *Wisconsin* 83 Ab
Ashqelon, *Israel* 74 Cf
Ash Shihr, *S. Yemen* 72 Eg
Ashtabula, *Ohio* 83 Fe
Ashuanipi L., *Labrador* 81 Tf
Ashūrādeh ye Bozorg, *Iran* 73 Fb
Asinara, I. & G. di, *Sardinia* 55 Be
Asino, *Russia* 58 Hc
Asir, *Arabia* 72 Df
Askersund, *Sweden* 47 Fg
Askvoll, *Norway* 47 Af
Aslandus, *Iran* 72 Eb
Asmara, *Eritrea* 77 Ha
Aspern, *Austria* 49 Gd
Aspinaje, *Brazil* 91 Hf
Aspiring, Mt., *New Zealand* 93 Bf
Aspres-sur-Buech, *France* 53 Fd
Aspro, C., *Cyprus* 74 Ac
Assab, *Eritrea* 77 Jb
As Safa, *Arabia* 72 Ed
Assam, *India* 69 Hc
As Sauda, *Yemen* 72 Df
Assaye, *India* 68 Ed
Assche, *Belgium* 44 Cd
Assen, *Netherlands* 44 Ea
Asshur, *Iraq* 72 Db
Assiniboia, *Saskatchewan* 80 Kg
Assiniboine, Mt., *Alberta* 80 Jf
Assiniboine R., *Manitoba* 80 Mg
Assinica L., *Quebec* 82 Aa
Assumar, *Portugal* 50 Bc
Asten, *Netherlands* 44 Dc
Asti, *Italy* 54 Bc
Asripálaia, I., *Greece* 57 Ff
Aston, C., *N.-W. Terr.* 81 Tb
Astor, *Kashmir* 70 Dc
Astorga, *Spain* 50 Ba
Astoria, *Oregon* 87 Bb
Astrakhan, *Russia* 58 Dd
Åsträsk, *Sweden* 46 Hd
Astros, *Greece* 57 Df
Astudillo, *Spain* 50 Ca
Asuncion, *Paraguay* 92 Ec
Aswân, *Egypt* 79 Md
Aswân High Dam, *Egypt* 79 Md
Asyût, *Egypt* 79 Mc
Atacama, Des., *Chile* 92 Cb
Atakpame, *Togo* 78 Fg
Atalaia, *Brazil* 91 Ke
Atalándi, *Greece* 57 De
Atalèh, *Somali Rep.* 77 Kd
Atambua, *Timor I., Indon.* 63 Hm
Atar, *Mauritania* 78 Cd
Atara, *Yemen* 72 Eg
Ataran, R., *Burma* 69 Je
Atauba, *Brazil* 90 Ed
Atbara, *Sudan* 79 Me
Atbasar, *Kazakhstan* 58 Fc
Atchafalaya B., *Louisiana* 85 Hf
Atchison, *Kansas* 84 Gd
Ateca, *Spain* 51 Eb
Ath, *Belgium* 44 Bd
Athabasca, *Alberta* 80 Jf
Athabasca, L., *Alta.-Sask.* 80 Ke
Athabasca R., *Alberta* 80 Hf
Athboy, *Eire* 31 Cg
Athenry, *Eire* 31 Bg
Athens, *Georgia* 85 Ke
Athens, *Greece* 57 Df
Atherton, *Queensland* 95 Hc
Atherton Plat., *Queensland* 95 Hc
Athinai, *Greece* 57 Df
Athlone, *Eire* 31 Bg
Athna, *Cyprus* 74 Bb
Athol, *Massachusetts* 86 Da
Athol, *New Zealand* 93 Bf
Athy, *Eire* 31 Ch
Atico, *Peru* 90 Cg
Atienza, *Spain* 50 Db
Atikonak L., *Labrador* 81 Uf
Atka, *Russia* 59 Qb
Atka, I., *Aleutian Is.* 85 Vm
Atkarsk, *Russia* 61 Ge
Atlanta, *Georgia* 85 Ke
Atlanta, *Michigan* 83 Dc
Atlantic City, *New Jersey* 86 Cc
Atlin, *British Columbia* 80 Ee
Atlit, *Israel* 74 Ce
Atrauli, *India* 71 Bb
Atsuta, *Japan* 66 Eg
Attawapiskat, L. & R., *Ont.* 81 Pf
Attica, *New York* 86 Aa
Attiki, *Greece* 57 De
Attleboro, *Massachusetts* 86 Eb
Attock, *W. Pakistan* 70 Cd
Attu, I., *Aleutian Is.* 85 Um
Atukesi, *Japan* 66 Jc
Atupi, *Brazil* 91 Gc
Aube, dep., *France* 52 Fb
Aubel, *Belgium* 44 Dd
Aubenas, *France* 53 Fd
Aubonne, *Switzerland* 45 Bb
Auburn, *Indiana* 83 De
Auburn, *Maine* 82 Cd
Auburn, *Nebraska* 84 Gc
Auburn, *New York* 86 Ba
Aubusson, *France* 52 Ed
Auce, *Latvia* 47 Kh
Auch, *France* 53 De
Auckland, *New Zealand* 93 Eb
Auckland Is., *Pacific Ocean* 98 Fn
Aude, dep., *France* 93 Ee
Audegle, *Somalia* 77 Jd
Audenarde, *Belgium* 44 Bd
Audierne, B. d', *France* 52 Ac
Aufa, *Lebanon* 74 Df
Augathella, *Queensland* 95 Je
Augsburg, *Germany* 48 Dd
Augusta, *Georgia* 85 Ke
Augusta, *Maine* 82 Dd
Augusta, *Sicily* 55 Eg
Augusta, *Wisconsin* 83 Ac
Augustów, *Poland* 49 Kb
Augustus, Mt., *W. Australia* 94 Cd
Auletta, *Italy* 55 Ee
Aunis, prov., *France* 52 Cc
Aura, *Finland* 57 Kf
Auraiya, *India* 41 Bb
Aurangabad, *Bihar, India* 71 Ec
Aurangabad, *Bombay, India* 68 De
Auray, *France* 62 Bc
Aurillac, *France* 53 Ed
Aurora, *Illinois* 83 Be
Aurora, *New York* 86 Ba
Aurora, *Ontario* 83 Gd
Aus, *S.-W. Africa* 75 Be
Au Sable, *Michigan* 83 Ec
Au Sable Forks, *New York* 83 Kc
Austin, *Minnesota* 85 Hc
Austin, *Nevada* 87 Ef
Austin, *Texas* 84 Ge
Austin, L., *W. Australia* 94 Ce
Austral Is., *Pacific Ocean* 99 Kk
Australia 94
Australian Alps, *Victoria-New South Wales* 95 Jg
Austria, *Central Europe* 42 Lg
Autlan, *Mexico* 88 Dd
Autse. See Auce
Autun, *France* 52 Fc
Auvergne, prov., *France* 53 Ed
Auxerre, *France* 52 Ec
Aux Sources, Mt., *Lesotho* 75 De
Ava, *Burma* 69 Jd
Avallon, *France* 52 Ec
Avalon Pen., *Newfoundland* 82 Mc
Avanoas, *S.-W. Africa* 75 Ac
Avare, *Brazil* 91 Hh
Avaviken, *Sweden* 46 Hd
Aveiro, *Brazil* 91 Gd
Aveiro, *Portugal* 50 Ab
Avelghem, *Belgium* 44 Bd
Avellanada, *Argentina* 92 Ed
Avellino, *Italy* 55 Ee
Avenir, *French Guiana* 91 Gc
Averöy, *Norway* 46 Be
Aversa, *Italy* 55 Ee
Avesnes, *France* 52 Ea
Avesta, *Sweden* 47 Gf
Aveyron, dep., *France* 53 Ed
Avezzano, *Italy* 55 De
Aviá Teria, *Argentina* 92 Dc
Aviemore, *Scotland* 30 Ec
Avigliano, *Italy* 55 Ee
Avignon, *France* 53 Fe
Ávila, *Spain* 50 Cb
Aviz, *Portugal* 50 Bc
Avola, *Sicily* 55 Eg
Avranches, *France* 52 Cb
Awaji Shima, *Japan* 66 Dg
Awakino, *New Zealand* 93 Ec
Awe L., *Scotland* 30 Dd
Awusa L., *Ethiopia* 77 Hc
Axat, *France* 53 Ee
Axel, *Netherlands* 44 Bc
Axel Heiberg I., *N.-W. Territories* 81 Na
Axinim, *Brazil* 90 Fd
Axminster, *England* 31 Ek
Ayabaca, *Peru* 90 Bd
Ayacucho, *Argentina* 92 Ee
Ayacucho, *Peru* 90 Cf
Ayaguz, *Kazakhstan* 58 Hd
Ayamonte, *Spain* 50 Bd
Ayan, *Russia* 59 Nc
Ayancik, *Turkey* 72 Ba
Ayaviri, *Peru* 90 Cf
Aydin, *Turkey* 72 Ab
Ayerbe, *Spain* 51 Ea
Ayia, *Greece* 57 De
Ayion Oros, *Greece* 57 Ed
Ayios Evstrátios, *Greece* 57 Ee
Aykathonisi, *Greece* 57 Ff
Aylesbury, *England* 31 Gj
Aylmer, *Ontario* 83 Fd
Aylmer, L., *N.-W. Terr.* 80 Kd
Aylwin, *Quebec* 83 Hb
Ayodhya, *India* 71 Db
Ayon, Ostrov, island, *Russia* 59 Ra
Ayora, *Spain* 51 Ec
Ayr, *Queensland* 95 Jc
Ayr & R., *Scotland* 30 De
Ayr, co., *Scotland* 30 De
Ayun, *Arabia* 72 Dd
Ayutla, *Guatemala* 88 Fe
Ayutla, *Mexico* 88 Ed
Ayvalik, *Turkey* 72 Ab
Aywaille, *Belgium* 44 Dd
Azaila, *Spain* 51 Eb
Azamgarh, *India* 71 Db
Azare, *Nigeria* 79 Hf
Azaz, *Syria* 74 Fa
Azerbaidzhan. See Azerbaydzhanskaya S.S.R.
Azerbaydzhanskaya S.S.R. 58 Dd
Azogues, *Ecuador* 90 Bd
Azores Is., *Atlantic Ocean* 78 Aa
Azov, Sea of, *Russia* 60 Kj
Azpeitia, *Spain* 53 Be
Aztec, *New Mexico* 84 Ed
Azua, *Rep. Dominicana* 89 Ec
Azuaga, *Spain* 50 Cc
Azufre, Mt., *Chile* 92 Cc
Azul, *Argentina* 92 Ee
Azzan, *S. Yemen* 72 Eg
Az Zubayr, *Iraq* 72 Ec
Baalbek, *Lebanon* 74 Ec
Baarle-Hertog, *Belgium* 44 Cc
Baarle Nassau, *Netherlands* 44 Cc
Baarn, *Netherlands* 44 Db
Babahoya, *Ecuador* 90 Bd

Babar, I., *Indonesia* 63 Jm
Babati, *Tanzania* 77 He
Bab el Mandeb, *Red Sea* 77 Jb
Babenna, *Syria* 74 Eb
Babine L., *Brit. Columbia* 80 Fe
Babŏl, *Iran* 73 Fb
Babura, *Nigeria* 76 Bb
Babuyan Is., *Philippines* 62 Hg
Babylon, *Iraq* 72 Dc
Bacabal, *Brazil* 91 Fe
Bacadehuachi, *Mexico* 88 Cb
Bacalar, *Mexico* 88 Gd
Bacău, *Rumania* 56 Fa
Bacerac, *Mexico* 88 Ca
Back R., *N.-W. Territories* 80 Mc
Backa Topola, *Yugoslavia* 56 Bb
Backbone Mts., *W. Va.-Md.* 86 Ac
Bäckefors, *Sweden* 47 Eg
Backergunge, *East Pakistan* 69 Hd
Bac Lieu, *S. Vietnam* 67 De
Bac-Ninh, *N. Vietnam* 67 Db
Bacoachic, *Mexico* 88 Ca
Bacolod, *Philippines* 63 Hh
Bada, *Arabia* 72 Cd
Badajos, *Brazil* 91 Hd
Badajoz, *Spain* 50 Bc
Badalona, *Spain* 51 Gb
Badarma, *Russia* 59 Kc
Badas, *Brunei* 63 Fk
Bad Axe, *Michigan* 83 Ed
Baden, *Germany* 48 Cd
Baden, *Switzerland* 45 Da
Baden-Baden, *Germany* 48 Cd
Badia, *Arabia* 72 Ee
Badin, *W. Pakistan* 68 Cd
Badiya, *Muscat & Oman* 73 Ge
Bad Kissingen, *Germany* 48 Dc
Bad Lands, *Nebraska, etc.* 84 Fc
Badon, *Senegal* 78 Cf
Badrinath, *India* 68 Eb
Baduen, *Somalia* 77 Kc
Badulla, *Ceylon* 68 Fg
Baelen, *Belgium* 44 Dc
Baena, *Spain* 50 Cd
Baetas, *Brazil* 90 Ee
Baffin B., *N.-W. Territories* 81 Tb
Baffin I., *N.-W. Territories* 81 Sc
Bafia, *Cameroon* 79 Hh
Bafoulabé, *Mali* 78 Cf
Baf'q, *Iran* 73 Gc
Bafra, *Turkey* 72 Ca
Bafra Br., *Turkey* 72 Ca
Baft, *Iran* 73 Gd
Bafwasende, *Congo* 76 Fd
Bagata, *Congo* 76 De
Bage, *Brazil* 92 Fd
Bagerhat, *E. Pakistan* 71 Gd
Baghdad, *Iraq* 72 Dc
Baghin, *Iran* 73 Gc
Baghpat, *India* 70 Ef
Bagnara Calabra, *Italy* 55 Ef
Bagnols-sur-Céze, *France* 53 Fd
Bagotville, *Quebec* 82 Cb
Bagra Kote, *India* 71 Gb
Baguio, *Philippines* 63 Hg
Bahaar-i-Gaz, *Iran* 73 Fb
Bahadurgarh, *India* 70 Ef
Bahama I., Grand, *Bahama Is.* 89 Da
Bahama Is., *West Indies* 89 Db
Bahawalpur, *W. Pakistan* 70 Bf
Baheri, *India* 71 Ba
Bahia. See Salvador
Bahia Blanca, *Argentina* 92 De
Bahia de Caráquez, *Ecuador* 90 Ad
Bahia Laura, *Argentina* 92 Cg
Bahia Negra, *Paraguay* 92 Eb
Bahraich, *India* 71 Cb
Bahrain I., *Persian Gulf* 73 Fd
Bahret el Ateibe, *Syria* 74 Ed
Bahret el Hijane, *Syria* 74 Ed
Bahret Homs, *Syria* 74 Ec
Bahu Kalat, *Iran* 73 Hd
Baiao, *Brazil* 91 Hd
Baibokoum, *Chad* 79 Jg
Baie St Paul, *Quebec* 83 Lb
Baiji, *Iraq* 72 Dc
Baile Atha Cliath (Dublin), *Eire* 31 Cg
Bailen, *Spain* 50 Dc
Baillie, *N.-W. Territories* 80 Fb
Baimak Tanalykovo, *Russia* 61 Nd
Bairnsdale, *Victoria* 95 Jg
Baital Faqih, *Yemen* 72 Dg
Baixo Longa, *Angola* 75 Bc
Baja, *Hungary* 56 Ba
Baja California, state, *Mexico* 88 Bb
Baján, *Mexico* 88 Db
Bajmok, *Yugoslavia* 56 Bb
Bakal, *Russia* 60 Hj
Bakaly, *Russia* 61 Lc
Bakel, *Senegal* 78 Cf
Baker, *Oregon* 87 Ec
Baker I., *Pacific Ocean* 98 Hg
Baker L., *N.-W. Territories* 80 Md
Baker, Mt., *Washington* 84 Bb
Bakersfield, *California* 87 Dh
Bakhasar, *India* 68 Dd
Baklansk, *Russia* 61 Sc
Bakloh, *India* 70 Dd
Bako, *Ethiopia* 77 Hc
Bakonyerdo, *Hungary* 49 Ge
Baksa Duar, *India* 71 Gb
Baku, *Azerbaidzhan* 58 Dd
Bala, *Wales* 31 Eh
Balabac Str., *Philippines* 63 Gj
Balagnat, *India* 68 Fd
Balakhta, *Russia* 59 Jc
Balaklava, *Russia* 60 Hj
Balama, *Moçambique* 77 Hg
Bala Murghab, *Afghanistan* 73 Hb
Balancan, *Mexico* 88 Fd
Balaquer, *Spain* 51 Fb
Balashov, *Russia* 61 Fe
Balasore, *India* 69 Gd
Balat, *Egypt* 79 Lc
Balaton, L., *Hungary* 49 Ge
Balazote, *Spain* 51 Dc
Balboa, *Panama* 89 De
Balbriggan, *Eire* 31 Cg
Balcarce, *Argentina* 92 Ee
Balchik, *Bulgaria* 56 Gc
Balclutha, *New Zealand* 93 Bg
Baldwin, *Michigan* 83 Dd
Baldwinsville, *New York* 86 Ba
Baldy Pk., *Arizona* 84 Ee
Baleares, Is., *Medit. Sea* 51 Gc
Balearic Is. See Baleares
Baler, *Philippines* 63 Hg
Balestrand, *Norway* 47 Bf
Baley, *Russia* 59 Lc
Bali, I., *Indonesia* 63 Fm
Balikesir, *Turkey* 72 Ab
Balikpapan, *Borneo* 63 Gl
Balk, *Netherlands* 44 Db
Balkans, The, *Europe* 56
Balkhash & Oz., *Kazakh.* 58 Gd
Ballabgarh, *India* 70 Ef
Ballachulish, *Scotland* 30 Dd
Balladonia, *W. Aust.* 94 Df
Ballaghaderreen, *Eire* 31 Bg
Ballantrae, *Scotland* 30 De
Ballarat, *Victoria, Aust.* 95 Hg
Ballater, *Scotland* 30 Ec
Ballé, *Mali* 78 De
Ballenas, B. de, *Mexico* 88 Bb
Ballenas Channel, *Mexico* 88 Bb
Balleny Is., *Antarctica* 100 Lc
Ballia, *India* 71 Ec
Ballina, *Eire* 31 Af
Ballinasloe, *Eire* 31 Bg
Ballinrobe, *Eire* 31 Ag
Ballinskelligs B., *Eire* 31 Aj
Ballston Spa, *New York* 86 Da
Ballycastle, *N. Ireland* 30 Ce
Ballymahon, *Eire* 31 Bg
Ballymena, *N. Ireland* 31 Cf
Ballymoney, *N. Ireland* 30 Ce
Ballyshannon, *Eire* 31 Bf
Balombo, *Angola* 76 Cg
Balotra, *India* 68 Dc
Balrampur, *India* 71 Db
Balranald, *New S. Wales* 95 Hf
Balsaa, *Brazil* 91 He
Balsam, L., *Ontario* 83 Gc
Balta, *Ukraine* 60 Fh
Baltanás, *Spain* 50 Cb
Baltasar Brum, *Uruguay* 92 Ed
Baltic Sea, *N.-W. Europe* 47
Baltim, *Egypt* 79 Mb
Baltimore, *Eire* 31 Aj
Baltimore, *Maryland* 83 Hf
Baltistan, *Kashmir* 70 Dc
Baltiysk, *Russia* 47 Hj
Baluchistan, *W. Pakistan* 68 Bc
Balurghat, *India* 71 Gc
Bam, *Iran* 73 Gd
Bama, *Nigeria* 79 Hf
Bamako, *Mali* 78 Df
Bambari, *Cent. Afr. Rep.* 79 Kg
Bamberg, *Germany* 48 Dd
Bambui, *Brazil* 91 Hh
Bamenda, *Nigeria* 79 Gg
Bamfield, *Michigan* 83 Ec
Bamian, *Afghanistan* 73 Jc
Bampton, *England* 31 Ek
Bampur, *Iran* 73 Hd
Bam Tso, *Tibet* 69 Gc
Banaras, *India* 71 Dc
Banat, *Rumania* 56 Cb
Banayyan, *Arabia* 73 Fe
Banbury, *England* 31 Gh
Banchory, *Scotland* 30 Fc
Bancroft, *Ontario* 83 Hc
Banda, *India* 71 Cc
Banda Sea, *Indonesia* 63 Jm
Banda Beila, *Somalia* 77 Lc
Bandar Abbas, *Iran* 73 Gd
Bandarawela, *Ceylon* 68 Fg
Bandar-e Deylam, *Iran* 73 Fc
Bandar-e Lengeh, *Iran* 73 Fd
Bandar-e Pahlavi, *Iran* 72 Eb
Bandar-e Rig, *Iran* 73 Fd
Bandar-e Shapur, *Iran* 72 Ec
Bandar Shah, *Iran* 73 Fb
Bandera, *Argentina* 92 Dc
Banderas, B., *Mexico* 88 Cc
Bandiagara, *Mali* 78 Ef
Bandikui, *India* 68 Ec
Band-i-Qir, *Iran* 72 Ec
Bandirma, *Turkey* 72 Aa
Bandjarmasin, *Borneo* 63 Fl
Bandol, *France* 53 Fe
Bandon, *Eire* 31 Bj
Bandung, *Java* 63 Em
Baned, *India* 70 Ee
Baneh, *Iran* 72 Eb
Baneš, *Cuba* 89 Db
Bañeza, La, *Spain* 50 Ca
Banff & co., *Scotland* 30 Fc
Banff & Park, *Alberta* 80 Hf
Bangada, *Congo* 77 Fd
Bangalore, *India* 68 Ef
Bangassou, *Cent. Afr. Rep.* 79 Kh
Bangka, I., *Indonesia* 63 El
Bangkok, *Thailand* 63 Dh
Bangkok, Bight of, *Thailand* 67 Cd
Bang Mun Nak, *Thailand* 63 Dg
Bangor, *Maine* 82 Dd
Bangor, *N. Ireland* 31 Df
Bangor, *Pennsylvania* 86 Cb
Bangor, *Wales* 31 Eg
Bang Saphan Yia, *Thailand* 67 Bd
Bangui, *Cent. Afr. Rep.* 79 Jh
Bangweulu L., *Zambia* 77 Gg
Ban Houei Sai, *Laos* 67 Cb
Bania, *Cent. Afr. Rep.* 76 Dd
Bani Bu 'Ali, *Muscat & Oman* 73 Ge
Banica, *Rep. Dominicana* 89 Ec
Baniyas, *Syria* 74 Db
Baniyas, *Syria* 74 Dd
Banjak Kep., *Indonesia* 63 Ck
Banja Luka, *Yugoslavia* 54 Fc
Ban Jaruga, *Yugoslavia* 54 Fc
Banjuwangi, *Java* 63 Fm
Banka, *India* 71 Fc
Banka Pahari, *India* 71 Cc
Banki, *India* 69 Gd
Bankipore, *India* 71 Ec
Banks I., *N.-W. Territories* 80 Gb
Banks I., *Queensland* 95 Hb
Banks Is., *Pacific Ocean* 98 Fj
Banks Pen., *New Zealand* 93 De
Banks Str., *Tasmania* 95 Jh
Bankura, *India* 71 Fd
Bann R., *N. Ireland* 31 Cf
Banningville, *Congo* 76 De
Bannu, *W. Pakistan* 70 Bd
Bañolas, *Spain* 51 Ga
Baños de Montemayor, *Spain* 50 Bb
Ban-pot, *Thailand* 67 Bc
Bansda, *India* 68 Dd
Bansi, *India* 71 Db
Banswara, *India* 68 Dd
Bantalor, *New Brunswick* 82 Ec
Ban Thakham, *Thailand* 67 Be
Ban tha U, *Thailand* 67 Cc
Bantry & B., *Eire* 31 Aj
Banu, *Afghanistan* 73 Jb
Banur, *India* 70 Ee
Banyo, *Cameroon* 79 Hg
Banzare Coast, *Antarctica* 100 Jb
Banzyville, *Congo* 76 Ed
Bapaume, *France* 52 Ea
Baq'a, *Arabia* 72 Dd
Ba'qubah, *Iraq* 72 Dc
Bar, *Yugoslavia* 56 Bc
Bara, *Sudan* 79 Mf
Barabanki, *India* 71 Cb
Barabinsk, *Russia* 58 Gc
Baraboo, *Wisconsin* 83 Bd
Baracoa, *Cuba* 89 Eb
Barad, *Syria* 74 Fb
Barahona, *Rep. Dominicana* 89 Db
Barahona, *Spain* 51 Ec
Barail Ra., *India* 69 Hc
Barak R., *India* 69 Hd
Baramula, *Kashmir* 70 Dc
Baranagar, *India* 71 Gd
Baranof I., *Alaska* 85 Zm
Baranovichi, *Russia* 60 Ee
Baranów, *Poland* 49 Jc
Baraque Michel, *Belgium* 44 Ed
Baraunda, *India* 71 Cc
Baraut, *India* 70 Ef
Barbacena, *Brazil* 91 Jh
Barbacoas, *Colombia* 90 Bc
Barbadillo del Mercada, *Sp.* 50 Da
Barbados, I., *Windward Is.* 89 Hd
Barbastro, *Spain* 51 Fa
Barbezieux, *France* 52 Cd
Barbuda, I., *Leeward Is.* 89 Gc
Barca d'Alva, *Portugal* 50 Bb
Barcaldine, *Queensland* 95 Jd
Barcarrota, *Spain* 50 Bc
Barce. See Marj, el
Barcellona Pozza di Gotto, *Sicily* 55 Ef
Barcelona, *Spain* 51 Gb
Barcelona, *Venezuela* 90 Ea
Barcelonnette, *France* 53 Gd
Barcelos, *Brazil* 90 Ed
Barcelos, *Portugal* 50 Ab
Barco de Avila, El, *Spain* 50 Cb
Barcoo, R., *Queensland* 95 Hd
Bardera, *Somalia* 77 Jd
Bardi, *India* 71 Dc
Bardia, *Libya* 79 Lb
Bardsey, I., *Wales* 31 Dh
Bareilly, *India* 71 Ba
Barents Sea, *Arctic Ocean* 58 Ba
Barentsöya, I., *Arctic Ocean* 58 Ba
Barfurush. See Babŏl
Bargal, *Somalia* 77 Lb
Barh, *India* 71 Ec
Barhaj, *India* 71 Db
Bar Harbor, *Maine* 82 Dd
Bari, *India* 71 Ab
Bari, *Italy* 55 Fe
Bari Doab, *W. Pakistan* 70 Ce
Barinas, *Venezuela* 90 Cb
Baring, C., *N.-W. Terr.* 80 Hb
Barisal, *East Pakistan* 69 Hd
Barito, R., *Borneo* 63 Fl
Barkald, *Norway* 47 Df
Barkhan, *W. Pakistan* 70 Af
Barkly Tableland, *Australia* 95 Gc
Bârlad, *Rumania* 56 Fa
Bar le Duc, *France* 52 Fb
Barlee, L., *W. Australia* 94 Ce
Barlee Ra., *W. Australia* 94 Cd
Barletta, *Italy* 55 Fe
Barmer, *India* 68 Dc
Barmouth, *Wales* 31 Eh
Barn, Mt., *Quebec* 82 Eb
Barnaby River, *N.B.* 82 Fc
Barnard Castle, *England* 31 Ff
Barnaul, *Russia* 58 Hc
Barne Inlet, *Antarctica* 100 La
Barnegat B., *New Jersey* 83 Jf
Barneveld, *Netherlands* 44 Db
Barnsley, *England* 31 Gg
Barnstable, *Massachusetts* 86 Eb
Barnstaple, *England* 31 Ej
Baroda, *India* 68 Dd
Barpeta, *India* 69 Hc
Barquinha, *Portugal* 50 Ac
Barquisimeto, *Venezuela* 90 Da
Barra, *Arabia* 72 Ee
Barra, *Brazil* 91 Jf
Barra Hd., *Scotland* 30 Bd
Barra, I., *Scotland* 30 Cd
Barra, Sd. of, *Scotland* 30 Bc
Barrackpore, *India* 71 Gd
Barra do Corda, *Brazil* 91 He
Barra do Piraí, *Brazil* 91 Jh
Barra do Bugres, *Brazil* 90 Ff
Barra Mansa, *Brazil* 91 Jh
Barran, *Somalia* 77 Kb
Barranca, *Peru* 90 Bd
Barranca Bermeja, *Colombia* 90 Cb
Barrancas, *Venezuela* 90 Eb
Barrancos, *Portugal* 50 Bc
Barranqueras, *Argentina* 92 Ec
Barranquilla, *Colombia* 90 Ca
Barre, *Vermont* 83 Kc
Barreiras, *Brazil* 91 Jf
Barreirinha, *Brazil* 91 Fd
Barreirinhas, *Brazil* 91 Jd
Barreiro, *Portugal* 50 Ac
Barreiros, *Brazil* 91 Ke
Barreme, *France* 53 Ge
Barrie, *Ontario* 83 Gc
Barrier I., Great, *N.Z.* 93 Eb
Barrier I., Little, *N.Z.* 93 Eb
Barrington, Mt., *N.S.W.* 95 Kf
Barringun, *N.S.W.* 95 Je
Barrow, *Argentina* 92 De
Barrow, *England* 31 Ef
Barrow R., *Eire* 31 Ch
Barrow Str., *N.-W. Terr.* 80 Mb
Barrow Creek, *N.T., Aust.* 95 Fd
Barry, *Wales* 31 Ej
Barsaloi, *Kenya* 77 Hd
Barsi, *India* 68 Ee
Bar-sur-Aube, *France* 52 Fb
Bar-sur-Seine, *France* 52 Fb
Bartibog, *New Brunswick* 82 Fc
Bartica, *Guyana* 90 Fb
Bartle Frere Mt., *Queensland* 95 Hc
Bartlesville, *Oklahoma* 84 Gd
Baruva, *India* 69 Fe
Barvaux, *Belgium* 44 Dd
Barwa, *India* 71 Ed
Barwani, *India* 68 Ed
Barwon, R., *New S. Wales* 95 Je
Basel (Basle), *Switzerland* 45 Ca
Baselland, canton, *Switz.* 45 Ca
Bashi, *Iran* 73 Fd
Bashi Chan., *Phil.-Taiwan* 65 Ke
Bashkirskaya, aut. rep., *Russ.* 58 Ec
Basia, *India* 71 Ed
Basilan, I., *Philippines* 63 Hj
Basilicata, reg., *Italy* 55 Ee
Basingstoke, *England* 31 Gj
Baskatong L., *Quebec* 83 Hb
Básmo, *Norway* 46 Fc
Basongo, *Congo* 76 Ee
Basra, *Iraq* 72 Ec
Bas-Rhin, dep., *France* 52 Gb
Bass Str., *Tasmania-Vict.* 95 Jg
Bassac, *Laos* 67 Dd
Bassein, *Burma* 69 He
Bassein, *India* 68 De
Basses, Gt. & Lit., *Ceylon* 68 Fg
Basses-Alpes, dep., *France* 53 Gd
Basses-Pyrénées, dep., *Fr.* 53 Ce
Basse Terre, *Leeward Is.* 89 Gc
Bassevelde, *Belgium* 44 Bc
Bástad, *Sweden* 47 Eh
Bastak, *Iran* 73 Fd
Baştam, *Iran* 73 Gb
Basti, *India* 71 Db
Bastia, *Corsica* 54 Bd
Bastogne, *Belgium* 44 De
Basutoland. See Lesotho
Bata, *Rio Muni* 76 Bd
Bataan, *Philippines* 63 Hh
Batacosa, *Mexico* 88 Cb
Batala, *India* 70 De
Batalha, *Portugal* 50 Ac
Batan Is., *Philippines* 62 Hf
Batangas, *Philippines* 63 Hh
Batavia, *Argentina* 92 Cd
Batavia. See Djakarta
Batavia, *New York* 86 Aa
Bataysk, *Russia* 61 Dg
Batchawana, *Ontario* 83 Db
Batchelor, *N. Terr., Aust.* 94 Fb
Batenburg, *Netherlands* 44 Dc
Bath, *England* 31 Fj
Bath, *Maine* 82 De
Bath, *New York* 86 Ba
Bathurst, *Gambia* 78 Bf
Bathurst, *New Brunswick* 82 Fc
Bathurst, *New S. Wales* 95 Jf
Bathurst Inl., *N.-W. Terr.* 80 Kc
Bathurst I., *N. Terr., Aust.* 94 Eb
Bathurst I., *N.-W. Terr.* 80 La
Batie, *Volta* 78 Eg
Batiscan, *Quebec* 83 Kb
Batjan, I., *Indonesia* 63 Jl
Batna, *Algeria* 78 Ga
Baton Rouge, *Louisiana* 85 He
Batopilas, *Mexico* 88 Cb
Batraki, *Russia* 61 Jd
Batrun, *Lebanon* 74 Dc
Battambang, *Cambodia* 67 Cd
Batticaloa, *Ceylon* 68 Fg
Battice, *Belgium* 44 Dd
Battih, *S. Yemen* 72 Ef
Battle Creek, *Michigan* 83 Dd
Battleford, *Saskatchewan* 80 Kf
Battleford, N., *Sask.* 80 Kf
Battle Harbour, *Labrador* 81 Vf
Battle Mountain, *Nevada* 87 Ee
Batu, *Indonesia* 63 Cl
Batumi, *Gruzinskaya S.S.R.* 58 Dd
Baturadja, *Sumatra* 63 Dl
Baturite, *Brazil* 91 Kd
Baubau, *Celebes* 63 Hm
Bauchi, *Nigeria* 79 Gf
Baud, *India* 69 Fd
Baudo, *Colombia* 90 Bb
Baudouinville, *Congo* 77 Ff
Bauge, *France* 52 Cc
Baunt, *Russia* 59 Lc
Baures, *Bolivia* 90 Ef
Bauru, *Brazil* 91 Hh
Baus, *Brazil* 91 Gg
Bauska, *Latvia* 47 Lh
Bautzen, *Germany* 48 Fc
Bavispe, *Mexico* 88 Ca
Bawal, *India* 70 Ef
Bawean, I., *Indonesia* 63 Fm
Bawiti, *Egypt* 79 Lc
Bawku, *Ghana* 78 Ef
Bay Is., *Honduras* 89 Bc
Bayamo, *Cuba* 89 Db
Bayana, *India* 71 Ab
Bayan Aul, *Kazakhstan* 58 Gc
Bayan Dzurihe, *Mongolia* 62 Ea
Bayan Kara Shan, *China* 62 Cd
Bayburt, *Turkey* 72 Da
Bay City, *Michigan* 83 Ed
Baydaratskaya B., *Russia* 58 Fa
Bayern, *Germany* 48 Dd
Bayeux, *France* 52 Cb
Bayir, *Jordan* 74 Eg
Baykal, Ozerg, *Russia* 59 Kc
Baykit, *Russia* 59 Jb
Baykonur, *Kazakhstan* 58 Fd
Bayona, *Spain* 50 Aa
Bayonne, *France* 53 Ce
Bayovar, *Peru* 90 Ae
Bayram Ali, *Turkmenistan* 58 Fe
Bayreuth, *Germany* 48 Dd
Bayrischer Wald, *Germany* 48 Ed
Bays, L. of, *Ontario* 83 Gc
Baytag Bogdo, *China* 62 Bb
Baza, Sa. de, *Spain* 51 Dd
Bazaruto, I., *Moçambique* 75 Fd
Bazas, *France* 53 Cd
Bazias, *Rumania* 56 Cb
Bazman, *Iran* 73 Hd
Beachy Head, *England* 31 Hk
Beacon, *New York* 86 Db
Beal Ra., *Queensland* 95 He
Bear Is. See Medvezhi Osa.
Beardmore Gl., *Antarctica* 100 La
Bearn, prov., *France* 53 Ce
Beta, I., *Rep. Dominicana* 89 Ec
Beatenberg, *Switzerland* 45 Cb
Beatrice, *Nebraska* 84 Gc
Beauceville, *Quebec* 83 Lb
Beaufort Sea, *Arctic Ocean* 39 Tb
Beaufort West, *Cape Prov.* 75 Cf
Beaugency, *France* 52 Dc
Beauly, *Scotland* 30 Dc
Beaumont, *Belgium* 44 Cd
Beaumont, *France* 52 Eb
Beaumont, *New Zealand* 93 Bf
Beaumont, *Texas* 85 He
Beaune, *France* 52 Fc
Beauport, *Quebec* 83 Lb
Beauraing, *Belgium* 44 Cd
Beauvais, *France* 52 Eb
Beauvoir-sur-Mer, *France* 52 Bc
Beaver, *Utah* 87 Gf
Beaver I., *Michigan* 83 Dc
Beaver R., *Saskatchewan* 80 Kf
Beaver R., *Utah* 87 Gf
Beaver Dam, *Wisconsin* 83 Bd
Beaver Falls, *Pennsylvania* 83 Fe
Beaverhead Mts., *Idaho* 87 Gc
Beawar, *India* 68 Dc
Beazley, *Argentina* 92 Cd
Bebedouro, *Brazil* 91 Hh
Becej, *Yugoslavia* 56 Bb
Becerrea, *Spain* 50 Ba
Bechuanaland. See Botswana
Becleau, *Rumania* 49 Le
Bedak, *Afghanistan* 73 Jc
Bédar, *Spain* 51 Ed
Bedford, *Pennsylvania* 86 Ac
Bedford, *Quebec* 83 Kc
Bedford & co., *England* 31 Gh
Bedourie, *Queensland* 95 Gd
Bedretto, *Switzerland* 45 Db
Bedr Honein, *Arabia* 72 Ec
Beduval, *Saskatchewan* 80 Ce
Bedzin, *Poland* 49 Hc
Beechey, L., *N.-W. Terr.* 80 Kc
Beek, *Netherlands* 44 Dc
Beek, *Netherlands* 44 Dd
Beekbergen, *Netherlands* 44 Db
Beeringen, *Belgium* 44 Dc
Beerlegem, *Belgium* 44 Bd
Beer Menuha, *Israel* 74 Dg
Beernem, *Belgium* 44 Bc
Beers, *Netherlands* 44 Dc
Beersheba, *Israel* 74 Cf
Befale, *Congo* 76 Ed
Befandriana, *Madagascar* 77 Nk
Bega, *N.S.W.* 95 Kg
Behbehan, *Iran* 73 Fc
Beho, *Belgium* 44 Dd
Beidha, *Arabia* 72 Ce
Beilen, *Netherlands* 44 Eb
Beilul, *Eritrea* 77 Jb
Beinwil, *Switzerland* 45 Da
Beira, *Moçambique* 75 Fc
Beirût (Beyrouth), *Lebanon* 74 Dd
Beitbridge, *Rhodesia* 75 Ed
Beit-et-Din, *Lebanon* 74 Dd
Beius, *Rumania* 56 Da
Beja, *Portugal* 50 Bc
Bejaia & G. of (Bougie), *Algeria* 53 Ph
Béjar, *Spain* 50 Cb
Bejestan, *Iran* 73 Gc
Bejucal, *Cuba* 89 Cb
Békéscsaba, *Hungary* 49 Je
Bela, *W. Pakistan* 68 Cc
Belagunj, *India* 71 Dc
Belang, *Celebes* 63 Hk
Bela Palanka, *Yugoslavia* 56 Dc
Belaya Tserkov, *Ukraine* 60 Gg
Belcher Is., *N.-W. Territories* 81 Re
Belchirag, *Afghanistan* 73 Jb
Belchite, *Spain* 51 Eb
Beldanga, *India* 71 Gd
Belebey, *Russia* 61 Mc
Belem, *Mexico* 88 Bb
Belém. See Pará
Belen, *Argentina* 92 Cc
Belen, *Panama* 89 Ce
Belfast, *Maine* 82 Dd
Belfast & L., *N. Ireland* 31 Df
Belfeld, *Netherlands* 44 Ec
Belford, *England* 30 Fe
Belfort, *France* 52 Gc
Belgaum, *India* 68 De
Belgium, *Central Europe* 43 Jf
Belgorod, *Russia* 60 Kf
Belgorod Dnestrovskiy, *Ukraine* 60 Gh
Belgrade. See Beograd
Belgrano, *Argentina* 92 Ee
Belin, *France* 53 Cd
Belitung, I., *Indonesia* 63 El
Belize, *British Honduras* 89 Bc
Bell I., *Newfoundland* 82 La
Bellac, *France* 52 Dc
Bella Coola, *Brit. Columbia* 80 Ff
Bellaire, *Michigan* 83 Dc
Bellaire, *Ohio* 83 Fe
Bellary, *India* 68 Ee
Bellavista, *Peru* 90 Be
Belledune, *New Brunswick* 82 Fc
Bellefontaine, *Ohio* 83 Ee
Bellefonte, *Pennsylvania* 86 Bb
Belle Ile, *France* 52 Bc
Belle Isle, *New Brunswick* 82 Fd
Belle Isle, *Newfoundland* 81 Vf
Belle Isle, Str. of, *Nfd.-Can.* 81 Vf
Belleme, *France* 52 Db
Belleville, *France* 52 Fc
Belleville, *Illinois* 83 Af
Belleville, *Ontario* 83 Hc
Bellevue, *Ohio* 83 Ee
Bellevue, *Ontario* 83 Db
Belley, *France* 52 Fd
Belle Yella, *Liberia* 78 Cg
Bellin, *Quebec* 81 Td
Bellingham, *England* 30 Fe
Bellingham, *Washington* 84 Bb
Bellinghausen Sea, *Antarc.* 100 Rc
Bellinzona, *Switzerland* 45 Eb
Bellows Falls, *Vermont* 86 Da
Belluno, *Italy* 54 Db
Bell Ville, *Argentina* 92 Dd
Bélmez, *Spain* 50 Cc
Belmont, *New York* 86 Ba
Belmont L., *Pennsylvania* 86 Cb
Belmonte, *Brazil* 91 Kg
Belmonte, *Portugal* 50 Bb
Belmonte, *Spain* 51 Dc
Belmullet, *Eire* 31 Af
Belo Horizonte, *Brazil* 91 Jg
Beloit, *Kansas* 84 Gd
Beloit, *Wisconsin* 83 Bd
Belomorsk, *Russia* 58 Cb
Belopol'ye, *Ukraine* 60 Jf
Belorado, *Spain* 50 Da
Beloretsk, *Russia* 61 Pd
Belorussia, rep., *U.S.S.R.* 60 Ee
Belostok. See Bialystok
Beloye Oz., *Russia* 60 Ka
Beloye More, *Russia* 58 Cb
Belp, *Switzerland* 45 Cb
Belt, Lille, *Denmark* 47 Cj
Belt, Store, *Denmark* 47 Dj
Belterra, *Brazil* 91 Gd
Belvedere Marittimo, *Italy* 55 Ef
Belver, *Portugal* 50 Bc
Belvidere, *New Jersey* 86 Cb
Belvidere, *Illinois* 83 Bd
Belyy, Os., *Russia* 58 Fa
Bemidji, *Minnesota* 85 Hb
Benalla, *Victoria, Aust.* 95 Jg
Benapol, *India* 71 Gd
Benares. See Varanasi
Benavente, *Spain* 50 Cb
Benbecula, I., *Scotland* 30 Cc
Bencubbin, *W. Australia* 94 Cf
Bend, *Oregon* 87 Cc
Ben Dearg, *Scotland* 30 Dc
Bendery, *Moldavia* 60 Fh
Bendigo, *Victoria, Aust.* 95 Hg
Benevento, *Italy* 55 Ee
Bengal, B. of, *India, etc.* 69 Ge
Bengal, East, *E. Pakistan* 71 Gc
Bengal, West, *India* 71 Fd
Ben Gardane, *Tunisia* 79 Hb
Benghazi, *Libya* 79 Kb
Benguela, *Angola* 76 Cg
Benha, *Egypt* 79 Mb
Ben Hope, *Scotland* 30 Db
Beni, R., *Bolivia* 90 Df
Beni-Abbés, *Algeria* 78 Eb
Benicarló, *Spain* 51 Fb
Beni Mazar, *Egypt* 79 Mc
Benin, Bight of, *W. Africa* 78 Fh
Benin City, *Nigeria* 78 Gg
Beni Saf, *Algeria* 78 Ea
Beni Suef, *Egypt* 79 Mc
Benito, *Rio Muni, W. Africa* 76 Bd
Benjamin Constant, *Brazil* 90 Cd
Benkovac, *Yugoslavia* 54 Ec
Ben Lomond, *N.S.W.* 95 Ke
Ben Macdhui, *Scotland* 30 Ec
Ben More Assynt, *Scotland* 30 Db
Bennett, *Brit. Columbia* 80 De
Ben Nevis, *Scotland* 30 Dd
Bennington, *Vermont* 86 Da
Benson Mines, *New York* 83 Jc
Bent, *Iran* 73 Gd
Bentinck I., *Burma* 69 Jf
Bento Goncalves, *Brazil* 92 Fc
Benton Harbor, *Michigan* 83 Cd
Benue R., *Nigeria* 79 Gg
Benwee Hd., *Eire* 31 Af
Ben Wyvis, *Scotland* 30 Dc
Beograd, *Yugoslavia* 56 Cb
Beppu, *Japan* 66 Bh
Berar, *India* 68 Ed
Berat, *Albania* 57 Bd
Berber, *Sudan* 79 Me
Berbera, *Somalia* 77 Kb
Berberati, *Cent. Afr. Rep.* 79 Jh
Berdichev, *Ukraine* 60 Fg
Berdigyastyakh, *Russia* 59 Mb
Berdyansk, *Ukraine* 60 Kh
Beresti, *Rumania* 56 Fa
Berezniki, *Russia* 58 Ec
Berezovo, *Russia* 58 Fb
Berg, *Norway* 46 Gb
Berga, *Spain* 51 Fa
Bergamo, *Italy* 54 Bc
Bergen, *Germany* 48 Cb
Bergen, *Germany* 48 Ea
Bergen, *Norway* 47 Af
Bergen-op-Zoom, *Netherlands* 44 Cc
Bergerac, *France* 53 Dd
Bergisch Gladbach, *Germany* 48 Bc
Bergün, *Switzerland* 45 Eb
Berhampur, *India* 71 Gc
Berhampur, *India* 69 Fe
Beri, *India* 70 Ef
Bering, *Russia* 59 Tb
Bering Sea, *Asia-America* 85 Ul
Bering Str., *Asia-America* 85 Vl
Berislavl, *Ukraine* 60 Hh
Berjeik, *Netherlands* 44 Dc
Berkåk, *Norway* 46 De
Berkeley, *California* 87 Bg
Berkovitsa, *Bulgaria* 56 Dc
Berkshire (Berks), co., *Eng.* 31 Gj
Berkshire Hills, *Mass.* 86 Da
Berlin, *Germany* 48 Eb
Berlin, *New Hampshire* 83 Lc
Berlin, *Wisconsin* 83 Bc
Bermillo de Sayago, *Spain* 50 Bb
Bermudas, Is., *Atlantic Oc.* 85 Ne
Bern & canton, *Switzerland* 45 Cb
Bernasconi, *Argentina* 92 De
Bernay, *France* 52 Db
Bernburg, *Germany* 48 Dc
Berne. See Bern
Berneau, *Belgium* 44 Dd
Berneck, *Switzerland* 45 Ea
Berner Alpen, *Switzerland* 45 Cb
Bernina, Passo del, *Switz.* 45 Eb
Beromünster, *Switz.* 45 Da
Berri, prov., *France* 52 Ec
Berry Is., *Bahama Is.* 89 Da
Berryville, *Virginia* 86 Ac
Bersillies, *Belgium* 44 Cd
Berthierville, *Quebec* 83 Kb
Bertoua, *Cameroon* 79 Hh
Bertraghboy B., *Eire* 31 Ag
Bertrix, *Belgium* 44 De
Beru, I., *Gilbert Is.* 98 Gh
Berwick, *Pennsylvania* 86 Bb
Berwick, co., *Scotland* 30 Fe
Berwick-upon-Tweed., *Eng.* 30 Fe
Berwyn Mts., *Wales* 31 Eh
Berzee, *Belgium* 44 Cd
Besançon, *France* 52 Gc
Beskidy Zachodnie, Mts., *Central Europe* 49 Hd
Besni, *Turkey* 72 Cb
Bessemer, *Alabama* 85 Je
Best, *Netherlands* 44 Dc
Betanzos, *Spain* 50 Aa
Betbetti, *Sudan* 79 Ke
Bethanie, *S.-W. Africa* 75 Be
Bethel, *Maine* 82 Cd
Bethlehem, *O.F.S.* 75 De
Bethlehem, *Jordan* 74 Df
Bethlehem, *Pennsylvania* 86 Cb
Betling Sib, *India* 69 Hd
Betsiamites, *Quebec* 82 Db
Betsiamites R., *Quebec* 82 Db
Bettiah, *India* 71 Eb
Beugen, *Netherlands* 44 Dc
Beveland, Noord, I., *Netherlands* 44 Bc
Beveland, Zuid, I., *Netherlands* 44 Bc
Beveren, *Belgium* 44 Cc
Beverloo, *Belgium* 44 Dc
Beverly, *Massachusetts* 86 Ea
Beverst, *Belgium* 44 Dd
Bex, *Switzerland* 45 Cb
Beyla, *Guinea* 78 Dg
Beypazari, *Turkey* 72 Ba
Beypore, *India* 68 Ef
Beysehir, *Turkey* 72

Bhadreswar, *India* 71 Gd
Bhagalpur, *India* 71 Fc
Bhakkar, *W. Pakistan* 70 Be
Bhamo, *Burma* 69 Jd
Bhandara, *India* 68 Ed
Bhannis, *Lebanon* 74 Dd
Bhanrer Ra., *India* 71 Bd
Bharatpur, *India* 71 Ab
Bhatgaon, *Nepal* 71 Eb
Bhatinda, *India* 70 De
Bhatnair, *India* 70 Df
Bhatpara, *India* 71 Gd
Bhavnagar, *India* 68 Dd
Bhawani Patna, *India* 69 Fe
Bhera, *W. Pakistan* 70 Cd
Bhilwara, *India* 68 Dc
Bhima R., *India* 68 Ee
Bhind, *India* 71 Bb
Bhir (Bir), *India* 68 Ee
Bhiwani, *India* 70 Ef
Bhojpur, *India* 71 Ec
Bhong Chu, R., *Tibet* 69 Gc
Bhopal, *India* 71 Ad
Bhuj, *India* 68 Cd
Bhusawal, *India* 68 Ed
Bhutan, *Himalayas* 69 Hc
Biafra, Bight of, *W. Africa* 76 Bd
Biak, I., *W. Irian* 63 Ll
Białogard, *Poland* 49 Ga
Białowieza, *Poland* 49 Kb
Białystok, *Poland* 49 Kb
Biarritz, *France* 53 Ce
Biberach, *Germany* 48 Cd
Bibon, *Wisconsin* 83 Ab
Bic, *Quebec* 82 Db
Bicknell, *Indiana* 83 Cf
Bida, *Nigeria* 78 Gg
Bidar, *India* 68 Ee
Biddeford, *Maine* 86 Ea
Bideford & B., *England* 31 Ej
Bidesir, *India* 70 Dg
Biel, *Switzerland* 45 Ca
Bielefeld, *Germany* 48 Cb
Bieler See, *Switzerland* 45 Ca
Bielsk, *Poland* 49 Kb
Bienne. See Biel
Bière, *Switzerland* 45 Bb
Bietschhorn, Mt., *Switz.* 45 Cb
Big I., *N.-W. Territories* 81 Sd
Biga, *Turkey* 72 Aa
Big Bell, *W. Australia* 94 Ce
Big Belt Mts., *Montana* 87 Hb
Big Bend Nat. Park, *Texas* 84 Ff
Bigelow, *Maine* 83 Lc
Biggar, *Saskatchewan* 80 Kf
Bighorn Mts., *Wyoming* 84 Ec
Bighorn R., *Montana-Wy.* 84 Ec
Bignona, *Senegal* 78 Bf
Big Rapids, *Michigan* 83 Dd
Big Salmon R., *Yukon* 80 Ed
Big Spring, *Texas* 84 Fe
Big Trout L., *Ontario* 81 Pf
Bihac, *Yugoslavia* 54 Ec
Bihar, *India* 71 Ec
Bihar, state, *India* 69 Gd
Biharamulo, *Tanzania* 77 Ge
Bihorului, Mts., *Rumania* 56 Da
Bijagos, Arqui. Dos., *Portuguese Guinea* 78 Bf
Bijapur *India* 68 Ee
Bijar. *Iran* 72 Eb
Bijawar, *India* 71 Bc
Bijeljina, *Yugoslavia* 56 Bb
Bijna, *India* 71 Bc
Bijnabad, *Iran* 73 Gd
Bijnor, *India* 70 Ff
Bikaner, *India* 70 Cf
Bikin, *Russia* 59 Nd
Bikini, I., *Marshall Is.* 98 Ff
Bikoro, *Congo* 76 Dc
Bilaspur, *India* 70 Ee
Bilaspur, India 71 Cd
Bilauktaung Ra., *Burma-Thailand* 63 Ch
Bilbao, *Spain* 50 Da
Bileća, *Yugoslavia* 56 Bc
Bilecik, *Turkey* 72 Aa
Bilé Karpaty, *Czechoslovakia* 49 Gd
Bilin, *Burma* 69 Je
Bilisht, *Albania* 57 Cd
Billabong, R. See Moulmein
Billings, *Montana* 84 Eb
Billiton, I. See Belitung
Bilma, *Niger* 79 He
Biloela, *Queensland* 95 Jd
Bilo Goro, *Yugoslavia* 54 Fc
Biloxi, *Mississippi* 85 Je
Bilsen, *Belgium* 44 Dd
Bilsi, *India* 71 Ba
Bilta, *Norway* 46 Jb
Bilthoven, *Netherlands* 44 Db
Bilugyun, I., *Burma* 69 Je
Bilyarsk, *Russia* 61 Kc
Bimbe, *Angola* 76 Dg
Bimini Is., *Bahama Is.* 85 Lf
Bimlipatam, *India* 69 Fe
Bina, *India* 71 Bc
Binaija, Mt., *Ceram I., Indon.* 63 Jl
Binalud, Mt., *Iran* 73 Gb
Binche, *Belgium* 44 Cd
Bindki, *India* 71 Cb
Bindura, *Rhodesia* 75 Ec
Binefar, *Spain* 51 Fb
Binga, *Rhodesia* 75 Dc
Bingen, *Germany* 48 Bd
Bingerville, *Ivory Coast* 78 Eg
Bingham, *Maine* 82 Dd
Binghamton, *New York* 86 Ca
Bingol, *Turkey* 72 Db
Binh Dinh, *Indo-China* 67 Dd
Binn, *Switzerland* 45 Db
Bintan, I., *Riouw Arch., Indon.* 63 Dk
Bint Jubeil, *Lebanon* 74 Dd
Bir Ali, *S. Yemen* 72 Eg
Birao, *Japan* 66 Hc
Birchwood, *New Zealand* 93 Af
Birdsboro, *Pennsylvania* 86 Cb
Birdsville, *Queensland* 95 Ge
Birdum, *N. Terr., Australia* 94 Fc
Birecik, *Turkey* 72 Cb
Birein, *Syria* 74 Eb
Bir Fadhil, *Arabia* 72 Ee
Bir Gara, *Chad* 79 Jf
Birhan, Mt., *Ethiopia* 77 Hb
Birjand, *Iran* 73 Gc
Birkah, *Muscat & Oman* 73 Ge
Birkenhead, *England* 31 Eg
Bir Malusi, *Iraq* 72 Cc
Bir Maqran, *Arabia* 72 Ee
Birmingham, *Alabama* 85 Je
Birmingham, *England* 31 Fh
Birmingham, *Michigan* 83 Ed
Birni-n-Kebbi, *Nigeria* 78 Ff
Birni-n' Konni, *Niger* 78 Gf
Birobidzhan, *Russia* 59 Nd
Birq, *Arabia* 72 Df
Birr, *Eire* 31 Bg
Birsilpur, *India* 70 Cf
Birsk, *Russia* 61 Mc
Biryusa R., *Russia* 59 Jc
Biržhay (Birzhay), *Lithuania* 47 Lh
Bisalpur, *India* 71 Ba
Bisauli, *India* 71 Ba
Bisbal, Ia, *Spain* 51 Gb
Bisbee, *Arizona* 84 Ee
Biscay, B. of, *France-Spain* 43 Fg
Bischofszell, *Switzerland* 45 Ea
Biscoe, B., *Antarctica* 100 Nb
Biscoe, Is., *Antarctica* 100 Sc
Biscotasing, *Ontario* 83 Eb
Bisha, *Arabia* 72 De
Bishnath, *India* 69 Hc
Bishnupur, *India* 71 Fd
Bishop Auckland, *England* 31 Ff
Bishop's Falls, *Nfd.* 82 Lb
Bishops Stortford, *England* 31 Hj
Bishri, Jebel el, *Syria* 72 Cb
Bisisthal, *Switzerland* 45 Db
Biskia, *Eritrea* 77 Ha
Bismarck, *N. Dakota* 84 Fb
Bismarck Arch., *Pacific Oc.* 98 Dh
Bismarck C., *Greenland* 39 Mb
Bissau, *India* 70 Df
Bissau. *Port. Guinea* 78 Bf
Bissett, *Manitoba* 80 Mf
Bistcho, L., *Alberta* 80 He
Biswan, *India* 71 Cb
Bithur, *India* 71 Cb
Bitlis, *Turkey* 72 Db
Bitola, *Yugoslavia* 56 Cd
Bitonto, *Italy* 55 Fe
Bitterfeld, *Germany* 48 Ec
Bitter Root Mts., *Idaho* 87 Fb
Bivio, *Switzerland* 45 Eb
Biwa Ko, *Japan* 66 Dg
Biysk, *Russia* 58 Hc
Bizerte, *Tunisia* 79 Ga
Bjelovar, *Yugoslavia* 54 Fc
Björkö, *Sweden* 47 Hg
Bjorli, *Norway* 46 Ce
Björna, *Sweden* 46 He
Björnör, *Norway* 46 Dd
Björnöya, I., *Barents Sea* 58 Aa
Black Hills, *S. Dakota* 84 Fc
Black Isle, *Scotland* 30 Ec
Black Mt., *W. Pakistan* 70 Cc
Black Mts., *Arizona* 07 Fh
Black Mts., *Wales* 31 Ej
Black Sea, *Europe-Asia* 40 Cd
Blackall, *Queensland* 95 Jd
Blackburn, *England* 31 Fg
Blackburn, Mt., *Alaska* 80 Cd
Blackdown Hills, *England* 31 Ek
Blackfoot, *Idaho* 87 Gd
Blackpool, *England* 31 Eg
Blackriver, *Michigan* 83 Ec
Black River Falls, *Wisconsin* 83 Ac
Black Rock Des., *Nevada* 87 De
Blacksod B., *Eire* 31 Af
Black Sugar Loaf, Mt., *New South Wales* 95 Kf
Blackville, *New Brunswick* 82 Fc
Black Volta R., *Ghana* 78 Eg
Blackwater L., *N.-W. Terr.* 80 Gd
Blackwater R., *Eire* 31 Bh
Blagoveshchensk, *Russia* 59 Mc
Blagoveshchensk, *Russia* 61 Mc
Blagoevgrad, *Bulgaria* 56 Dc
Blair Atholl, *Scotland* 30 Ed
Blairgowrie, *Scotland* 30 Ed
Blairmore, *Alberta* 80 Jg
Blaj, *Rumania* 56 Da
Blanc, C., *Mauritania* 78 Bd
Blanc, le, *France* 52 Dc
Blanc, Mt., *France-Italy* 52 Gd
Blanca, B., *Argentina* 92 De
Blanca Pk., *Colorado* 84 Ed
Blanca, Sierra, *New Mexico* 84 Ee
Blanche, L., *S. Australia* 95 Ge
Blanco, C., *Oregon* 87 Ad
Blanco, Pico, *Costa Rica* 89 Ce
Blandford, *England* 31 Fk
Blanes, *Spain* 51 Gb
Blangpidie, *Sumatra* 63 Ck
Blangy, *France* 52 Db
Blankenberge, *Belgium* 44 Bc
Blantyre, *Malawi* 77 Hh
Blaregnies, *Belgium* 44 Bd
Blaton, *Belgium* 44 Bd
Blaye, *France* 53 Cd
Blazowa, *Poland* 49 Kd
Bleharies, *Belgium* 44 Bd
Blenheim, *New Zealand* 93 Dd
Blenheim, *Ontario* 83 Fd
Blida, *Algeria* 78 Fa
Blind River, *Ontario* 83 Eb
Blitta, *Togo* 78 Fg
Block I., *Rhode Island* 86 Eb
Bloemfontein, *O.F.S.* 75 De
Blois, *France* 52 Dc
Blokzijl, *Netherlands* 44 Eb
Bloody Foreland, *Eire* 30 Be
Bloomfield, *Indiana* 83 Cf
Bloomington, *Illinois* 83 Cf
Bloomington, *Indiana* 85 Jd
Bloomsburg, *Pennsylvania* 86 Bb
Blossburg, *Pennsylvania* 86 Bb
Blue Mt., *India* 69 Hd
Blue Mts., *Jamaica* 89 Dc
Blue Mts., *New S. Wales* 95 Kf
Blue Mts., *Oregon* 87 Dc
Blue Mts., *Pennsylvania* 86 Cb
Bluefield, *W. Virginia* 85 Kd
Bluefields, *Nicaragua* 89 Cd
Blue Lake, *Michigan* 83 Dc
Blue Ridge, Mts., *U.S.A.* 85 Kd
Blue Stack Mts., *Eire* 31 Bf
Bluff, *New Zealand* 93 Bg
Bluff, *Utah* 84 Ed
Bluff Knoll, *W. Australia* 94 Cf
Blumenau, *Brazil* 92 Gc
Blyth, *England* 30 Ge
Blytheville, *Arkansas* 85 Hd
Bo, *Sierra Leone* 78 Cg
Boac, *Philippines* 63 Hh
Boaco, *Nicaragua* 89 Bd
Boa Fé, *Brazil* 90 Ce
Boa Vista, *Brazil* 90 Ec
Bobo Dioulasso, *Upper Volta* 78 Ef
Bobolice, *Poland* 49 Gb
Bobrov, *Russia* 61 Ee
Bobruysk, *Belorussia* 60 Fe
Boca do Acre, *Brazil* 90 De
Boca do Copana, *Brazil* 90 Ee
Bocas del Toro, *Panama* 89 Ce
Bochnia, *Poland* 49 Jd
Bocholt, *Belgium* 44 Dc
Bocholt, *Germany* 48 Bc
Bochum, *Germany* 48 Bc
Bocota, *Moçambique* 75 Ed
Bodaybo, *Russia* 59 Lc
Boden, *Sweden* 46 Jd
Boden See, *Switz.-Germany* 45 Ea
Boderg L., *Eire* 31 Bg
Bodmin & Moors, *England* 31 Dk
Bodö, *Norway* 46 Fc
Boende, *Congo* 76 Ee
Boertange, *Netherlands* 44 Ea
Bogalusa, *Louisiana* 85 Je
Bogandé, *Upper Volta* 78 Ef
Bogbonga, *Congo* 76 Dd
Bogdarin, *Russia* 59 Lc
Bogdo Ula, *China* 62 Ab
Boggeragh Mts., *Eire* 31 Ah
Bogong, Mt., *Victoria* 95 Jg
Bogar, *Java* 63 Em
Bogorodsk, *Russia* 61 Jd
Bogorodskoye, *Russia* 59 Pc
Bogotá, *Colombia* 90 Cc
Bogotol, *Russia* 58 Hc
Bogra, *E. Pakistan* 71 Gc
Bohemia, *Czechoslovakia* 48 Ed
Böhmer Wald, *Ger.-Czech.* 48 Ed
Bohol, I., *Philippines* 63 Hj
Boiaçu, *Brazil* 90 Ed
Boiestown, *New Brunswick* 82 Ec
Boigu, I., *Torres Str., Qnsld.* 95 Ha
Boim, *Brazil* 91 Fd
Bois, L. des, *N.-W. Terr.* 80 Gc
Bois Blanc I., *Michigan* 83 Dc
Boisé, *Idaho* 87 Ed
Bois-le-Duc. See 's Hertogenbosch
Boissevain, *Manitoba* 80 Mg
Bojnurd, *Iran* 73 Gb
Bokaro. *India* 71 Ed
Boké, *Guinea* 78 Cf
Bokki, *Cameroon* 79 Hg
Bokn Fd., *Norway* 47 Ag
Bokoro, *Chad* 79 Jf
Boksmeer, *Netherlands* 44 Dc
Bokstel, *Netherlands* 44 Dc
Bolan, *W. Pakistan* 68 Cc
Bolan Pass, *W. Pakistan* 68 Cc
Bolangir, *India* 69 Fd
Bolbec, *France* 52 Db
Bole, *Ghana* 78 Eg
Bölebyn, *Sweden* 46 Jd
Bolgrad, *Ukraine* 60 Fj
Bolintin, *Rumania* 56 Eb
Bolivar, *Argentina* 92 Dc
Bolivar, *Colombia* 90 Bc
Bolivia, rep., *S. America* 90 Dg
Bollon, *Queensland* 95 Je
Bollstabruk, *Sweden* 46 Ge
Bolmen, L., *Sweden* 47 Eh
Bolobo, *Congo* 76 De
Bologna, *Italy* 54 Cc
Bologoye, *Russia* 60 Jc
Bolomba, *Congo* 76 Dd
Bolotnoye. *Russia* 58 Hc
Bolsena, L. di, *Italy* 54 Cd
Bolshevik, Ostrov, *Russia* 59 Ka
Bolshoy Lyakhovskiy, Ostrov, *Russia* 59 Pa
Boltana, *Spain* 51 Fa
Bolton, *England* 31 Fg
Bolu, *Turkey* 72 Ba
Bolzano, *Italy* 54 Cb
Bomal, *Belgium* 44 Dd
Bomba, & Gulf of, *Libya* 79 Kb
Bombala, *New S. Wales* 95 Jg
Bombarral, *Portugal* 50 Ac
Bombay, *India* 68 De
Bom Futuro, *Brazil* 90 Ef
Bomhus, *Sweden* 47 Gf
Bom Jesus, *Brazil* 91 Je
Bömlo, I., *Norway* 47 Ag
Bomnak, *Russia* 59 Mc
Bomoseen, L., *Vermont* 86 Da
Bonaduz, *Switzerland* 45 Eb
Bonaire I., *Neth. Antilles* 09 Fd
Bonanza, *Nicaragua* 89 Cd
Bonaventure I., *Quebec* 82 Fb
Bonavista & B., *Newfoundland* 82 Mb
Bondo, *Congo* 76 Ed
Bône. See Annaba
Bone, G. of, *Celebes* 63 Hl
Bongor, *Chad* 79 Jf
Bonifacio & B. de, *Corse* 55 Be
Bonin Is., *Pacific* 62 Me
Bonn, *Germany* 48 Bc
Bonne Bay, *Newfoundland* 82 Jb
Bonneval, *France* 52 Db
Bonnie Rock, *W. Australia* 94 Cf
Bonny, *France* 52 Ec
Bonny, *Nigeria* 78 Gh
Bonom Mhai, Mts., *S. Vietnam* 67 Dd
Boom, *Belgium* 44 Cc
Boon Tsagan Nur *Mongolia* 62 Ca
Boonville, *New York* 86 Ca
Boothia, G. of, *N.-W. Terr.* 81 Pc
Boothia Pen., *N.-W. Terr.* 81 Nb
Bopeechee, *S. Aust.* 95 Ge
Boqueron, *Cuba* 89 Dc
Boquete, *Panama* 89 Ce
Boramo, *Somalia* 77 Jc
Borås, *Sweden* 47 Eh
Borba, *Brazil* 90 Fd
Bordeaux, *France* 53 Cd
Bordertown, *S. Australia* 95 Gg
Borga, *Sweden* 46 Fd
Börge Fjell, *Norway* 46 Ed
Borger. *Netherlands* 44 Eb
Borger, *Texas* 84 Fd
Borgholm, *Sweden* 47 Gh
Borgne, *Haiti* 89 Ec
Borisoglebsk, *Russia* 61 Ee
Borisov, *Belorussia* 60 Fd
Bo River Post, *Sudan* 79 Lg
Borja, *Spain* 51 Eb
Borjas Blancas, *Spain* 51 Fb
Borkum, I., *Germany* 48 Bb
Borlänge, *Sweden* 47 Ff
Borneo, *Indonesia* 63 Fk
Bornholm, I., *Denmark* 47 Fj
Borodino, *Russia* 60 Jd
Borogontsy, *Russia* 59 Nb
Borongan, *Philippines* 63 Jh
Borovichi, *Russia* 60 Hb
Borroloola, *N. Terr., Aust.* 95 Gc
Borskoye, *Russia* 61 Kd
Borûjerd, *Iran* 72 Ec
Bor Yuryakh, *Russia* 59 La
Borzya, *Russia* 59 Lc
Bosaso, *Somalia* 77 Kb
Bosco, *Switzerland* 45 Db
Boscobel, *Wisconsin* 83 Ad
Bosiligrad, *Yugoslavia* 56 Dc
Boskoop, *Netherlands* 44 Cb
Bosna-Hercegovina, *Yugosl.* 56 Ab
Bōso Pen., *Japan* 66 Gg
Bosobolo, *Congo* 76 Dd
Bosoli, *Botswana* 75 Dd
Bosporus, *Turkey* 72 Aa
Bosso, *Niger* 79 Hf
Bostan, *W. Pakistan* 68 Cb
Boston, *England* 31 Hh
Boston, *Massachusetts* 83 Ld
Boston Mts., *Arkansas* 85 Hd
Botera, *Angola* 76 Cg
Bothaville, *O.F.S.* 75 De
Bothnia, G of, *N.-W. Europe* 47 Hf
Botswana (Bechuanaland). *S. Africa* 75 Cd
Botucatu, *Brazil* 91 Hh
Bouake, *Ivory Coast* 78 Eg
Bouar, *Cent. Afr. Rep.* 79 Jg
Bou Arfa, *Morocco* 78 Eb
Bouches-du-Rhône, dep. *France* 53 Fe
Bou Djébéha, *Mali* 78 Ee
Boudoukou, *Ivory Coast* 78 Eg
Boudry, *Switzerland* 45 Bb
Bougainville, I., *Solomon Is.* 98 Eh
Bougaroun C., *Algeria* 78 Ga
Bougie & G. of. See Bejaia
Bougouni, *Mali* 78 Df
Bouillon, *Belgium* 44 De
Boularderie I., *Nova Scotia* 82 Hc
Boulder, *Colorado* 84 Ec
Boulder, *W. Australia* 94 Df
Boulia, *Queensland* 95 Gd
Boulogne, *France* 52 Da
Bouna, *Ivory Coast* 78 Eg
Bounty Is., *Pacific Ocean* 98 Gm
Bourbonnais, prov., *France* 52 Ec
Bourem, *Mali* 78 Ee
Bourg, *France* 52 Fc
Bourg Argental, *France* 53 Fd
Bourges, *France* 52 Ec
Bourget, L. du, *France* 52 Fd
Bourgogne, prov., *France* 52 Fc
Bourg St. Pierre, *Switz.* 45 Cc
Bourke. *New S. Wales* 95 Jf
Bourkes, *Ontario* 83 Fa
Bournemouth, *England* 31 Fk
Bouvet I., *Atlantic Ocean* 100 Cd
Bovigny, *Belgium* 44 Dd
Bovino, *Italy* 55 Ee
Bow R., *Alberta* 80 If
Bowen, *Queensland* 95 Jc
Bowling Green, *Kentucky* 85 Jd
Bowling Green, *Ohio* 83 Ee
Bowman B., *N.-W. Terr.* 81 Sc
Bowman I., *Antarctica* 100 Hc
Bowmanville, *Ontario* 83 Gd
Boxholm, *Sweden* 47 Fg
Boyne, R., *Eire* 31 Cg
Boyne City, *Michigan* 83 Dc
Bozeman, *Montana* 84 Db
Bozok. See Yozgat
Bozoum, *Cent. Afr. Rep.* 79 Jg
Bra, *Italy* 54 Ac
Brabant, prov., *Belgium* 44 Cd
Brabant, Noord, prov., *Netherlands* 44 Dc
Brac, I., *Yugoslavia* 54 Fd
Bracadale L., *Scotland* 30 Cc
Bracebridge, *Ontario* 83 Gc
Bräcke, *Sweden* 46 Fe
Brad, *Rumania* 56 Da
Braddock, *Pennsylvania* 86 Ab
Bradford, *England* 31 Fg
Bradford, *Pennsylvania* 86 Ab
Braemar, *Scotland* 30 Ed
Braga, *Portugal* 50 Ab
Bragado, *Argentina* 92 De
Bragança, *Portugal* 50 Bb
Bragança Paulista, *Brazil* 91 Hh
Brahmanbaria, *E. Pakistan* 69 Hd
Brahmaputra R., *India* 69 Hc
Braidwood, *Illinois* 83 Be
Brail, *Switzerland* 45 Fb
Brăila, *Rumania* 56 Fb
Braine l'Alleud, *Belgium* 44 Cd
Braine le Comte, *Belgium* 44 Cd
Brak, *Libya* 79 Hc
Brampton, *Ontario* 83 Gd
Brandenburg, *Germany* 48 Eb
Brandon, *Manitoba* 80 Mg
Brandon Head, *Eire* 31 Ah
Brandsen, *Argentina* 92 Ee
Brandvlei, *Cape Province* 75 Cf
Braniewo, *Poland* 49 Ha
Bransfield Str., *Antarctica* 100 Tc
Bransk, *Poland* 49 Kb
Brantford, *Ontario* 83 Fd
Brantôme, *France* 53 Dd
Bras d'or L., *Nova Scotia* 82 Hd
Brasília, *Brazil* 91 Hg
Brasília Legal, *Brazil* 91 Fd
Brasov, *Rumania* 56 Eb
Brassus, le, *Switzerland* 45 Bb
Bratislava, *Czechoslovakia* 49 Gd
Bratsk, *Russia* 59 Kc
Brattleboro, *Vermont* 86 Da
Braunau, *Austria* 48 Ed
Braunlage, *Germany* 48 Dc
Braunschweig, *Germany* 48 Db
Braunwald, *Switzerland* 45 Db
Brava, *Somalia* 77 Jd
Brawley, *California* 87 Fj
Bray, *Eire* 31 Cg
Brazil, *Indiana* 83 Cf
Brazil, rep., *S. America* 90-91
Brazos R., *Texas* 84 Ge
Brazzaville, *French Congo* 76 De
Brčko, *Yugoslavia* 56 Bb
Bream B., *New Zealand* 93 Ea
Brechin, *Scotland* 30 Fd
Brecknock, Pen., *Chile* 92 Bh
Brecknock, co., *Wales* 31 Eh
Břeclav, *Czechoslovakia* 49 Gd
Brecon, *Wales* 31 Ej
Brecon Beacons, *Wales* 31 Ej
Breda, *Netherlands* 44 Cc
Bredasdorp, *Cape Province* 75 Cf
Bredy, *Russia* 61 Qd
Bree, *Belgium* 44 Dc
Breedene, *Belgium* 44 Ac
Breidha fjördhur, *Iceland* 46 Tm
Breil, *France* 53 Ge
Breithorn, Mt., *Switzerland* 45 Cb
Brejo, *Brazil* 91 Jd
Bremangerland, *Norway* 46 Af
Bremen, *Germany* 48 Cb
Bremerhaven, *Germany* 48 Cb
Bremerton, *Washington* 87 Bb
Bremgarten, *Switzerland* 45 Da
Brenner Pass, *Austria-Italy* 54 Cb
Breno, *Italy* 54 Cc
Brent, *Ontario* 83 Gb
Brescia, *Italy* 54 Cc
Breskens, *Netherlands* 44 Bc
Breslau. See Wroclaw
Bressay I., *Scotland* 30 Qb
Bressuire, *France* 52 Cc
Brest, *France* 52 Ab
Brest (Brest-Litovsk), *Belorussia* 60 Ce
Bretagne, prov., *France* 52 Bb
Bretçu, *Rumania* 56 Fa
Breugel, *Netherlands* 44 Dc
Brevik, *Norway* 47 Cg
Brewarrina, *New S. Wales* 95 Je
Brewer, *Maine* 82 Dd
Brewster Mt., *Antarctica* 100 Lb
Brežice, *Yugoslavia* 54 Ec
Brezova, *Czechoslovakia* 49 Gd
Březová, *Czechoslovakia* 49 Gd
Bria, *Cent. Afr. Rep.* 79 Kg
Briançon, *France* 53 Gd
Briare, *France* 52 Ec
Bridgehampton, *New York* 86 Db
Bridgeport, *Connecticut* 83 Ke
Bridgeton, *New Jersey* 86 Cc
Bridgetown, *Nova Scotia* 82 Fd
Bridgman C., *Arctic Ocean* 39 Na
Bridgton, *Maine* 82 Ce
Bridgwater & B., *England* 31 Ej
Bridlington, *England* 31 Gf
Brielle, *Netherlands* 44 Cc
Brienz, *Switzerland* 45 Db
Brienzer See, *Switzerland* 45 Cb
Brier I., *Nova Scotia* 82 Ed
Brig, *Switzerland* 45 Cb
Brigels, *Switzerland* 45 Eb
Brigham, *Utah* 87 Ge
Brighton, *England* 31 Gk
Brignoles, *France* 53 Ge
Brindaban, *India* 70 Eg
Brindisi, *Italy* 55 Ge
Brione, *Switzerland* 45 Db
Brioude, *France* 53 Ed
Brisbane, *Queensland* 95 Ke
Brissago, *Switzerland* 45 Db
Bristol, *England* 31 Fj
Bristol, *New Brunswick* 82 Ec
Bristol, *Pennsylvania* 86 Cb
Bristol, *Rhode Island* 86 Eb
Bristol, *Tennessee* 85 Kd
Bristol B., *Alaska* 85 Wm
Bristol Channel, *England* 31 Di
Bristol I., *South Sandwich Is.* 100 Ad
British Columbia, prov., *Canada* 80 Ff
British Guiana. See Guyana
British Honduras, *Central America* 88 Gd
British Isles, *N.-W. Europe* 42 Ee
Brito, *Nicaragua* 89 Bd
Britstown, *Cape Province* 75 Cf
Brive, *France* 53 Dd
Briviesca, *Spain* 50 Da
Brno, *Czechoslovakia* 49 Gd
Broach, *India* 68 Dd
Broad B., *Scotland* 30 Cb
Broadalbin, *New York* 83 Jd
Broadford, *Pennsylvania* 86 Ab
Broadford, *Scotland* 30 Dc
Brock I., *N.-W. Territories* 00 Ha
Brockton, *Massachusetts* 86 Ea
Brockville, *Ontario* 83 Jc
Brod, *Yugoslavia* 56 Ab
Brod, *Yugoslavia* 56 Cd
Brodeur Pen., *N.-W. Terr.* 81 Pb
Brodhead, *Wisconsin* 83 Bd
Brodick, *Scotland* 30 De
Broek-in-Waterland, *Netherlands* 44 Db
Broglio, *Switzerland* 45 Db
Broken Hill, *New S. Wales* 95 Hf
Bromberg. See Bydgoszcz
Bromptonville, *Quebec* 83 Lc
Brönnöysund, *Norway* 44 Ed
Bronte, *Sicily* 55 Eg
Brookings, *Oregon* 87 Ad
Brookings, *S. Dakota* 84 Gc
Brooklyn, *New York* 86 Db
Brooklyn, *Nova Scotia* 82 Fd
Brooks Ra., *Alaska* 85 Xl
Brook's Point, *Philippines* 63 Gj
Brookville, *Pennsylvania* 86 Ab
Broom, L., *Scotland* 30 Dc
Broome, *W. Australia* 94 Dc
Brora, *Scotland* 30 Eb
Brothers, The, Is. *Red Sea* 72 Bd
Broughty Ferry, *Scotland* 30 Fd
Broumov, *Czechoslovakia* 49 Gc
Brouwershaven, *Netherlands* 44 Bc
Brown, Mt., *S. Australia* 95 Gf
Brownsville, *Texas* 84 Gf
Brownville, *Maine* 82 Dd
Brownwood, *Texas* 84 Ge
Brozas, *Spain* 50 Bc
Bruce, Mt., *W. Australia* 94 Cd
Bruce Mines, *Ontario* 83 Eb
Bruck, *Austria* 48 Ee
Bruck an der Mur, *Austria* 48 Fe
Bruges, *Belgium* 44 Bc
Brugg, *Switzerland* 45 Da
Brugge. See Bruges
Bruly, *Belgium* 44 Ce
Brumado, *Brazil* 91 Jf
Brummen, *Netherlands* 44 Eb
Brunei & state, *Borneo* 63 Fk
Brunette Downs, *N. Terr., Australia* 95 Gc
Brunflo, *Sweden* 46 Fe
Brunn. See Brno
Brunnen, *Switzerland* 45 Da
Brunner, *New Zealand* 93 Ce
Brunssum, *Netherlands* 44 Dd
Brunswick. See Braunschweig
Brunswick, *Georgia* 85 Ke
Brunswick, *Maine* 82 Ce
Brunswick, *Maryland* 86 Bc
Brunswick B., *W. Australia* 94 Dc
Brunswick, Pen. de, *Chile* 92 Ch
Bruny I., *Tasmania* 95 Jh
Brusartsi, *Bulgaria* 56 Dc
Brusio, *Switzerland* 45 Fb
Brussels, *Belgium* 44 Cd
Bruxelles (Brussel). See Brussels
Bruzual, *Venezuela* 90 Db
Bryansk, *Russia* 60 Je
Bryce Canyon Nat. Park, *Utah* 87 Gg
Bryson, *Quebec* 83 Hc
Brzeg, *Poland* 49 Gc
Brzesko, *Poland* 49 Jc
Bsharri, *Lebanon* 74 Dc
Bua, *Angola* 76 Cf
Buayan, *Philippines* 63 Jj
Bubasa, *Ethiopia* 77 Jc
Bubiyan I., *Persian Gulf* 72 Ed
Bubulu, *Uganda* 77 Gd
Bucaramanga, *Colombia* 90 Cb
Buchach, *Ukraine* 60 Dg
Buchan Ness, *Scotland* 30 Fc
Buchanan, *Liberia* 78 Cg
Buchanan, L., *Queensland* 95 Jd
Buchardo, *Argentina* 92 Dd
Bucharest. See București
Buchs, *Switzerland* 45 Ea
Buckhannon, *West Virginia* 83 Ff
Buckie, *Scotland* 30 Fc
Buckingham, *Quebec* 83 Jc
Buckingham & co., *England* 31 Gj
Bucksport, *Maine* 82 Dd
Buctouche, *New Brunswick* 82 Fc
București, *Rumania* 56 Fb
Bud, *Norway* 46 Bc
Budaia, *Arabia* 72 De
Budapest, *Hungary* 49 He
Budaun, *India* 71 Ba
Bud Bud, *India* 71 Fd
Buddh Gaya, *India* 71 Ec
Bude, *England* 31 Dk
Budești, *Rumania* 56 Fb
Budhana, *India* 70 Ef
Budva, *Yugoslavia* 56 Bc
Buea, *Nigeria* 79 Gh
Buenaventura, *Colombia* 90 Bc
Buenaventura, *Mexico* 88 Cb
Buenavisca, *Mexico* 88 Cb
Buenos Aires, *Argentina* 92 Ed
Buenos Aires, *Colombia* 90 Cd
Buenos Aires, L., *Chile-Argentina* 92 Cg
Bufa, Mt., *Mexico* 88 Dc
Buffalo, *Missouri* 86 Ba
Buffalo, *New York* 83 Gd
Buffalo L., *N.-W. Terr.* 80 Hd
Bug, R., *Poland-Belorussia* 49 Jb
Buga, *Colombia* 90 Bc
Buganda, *Uganda* 77 Gd
Bugti, *W. Pakistan* 68 Cc
Bugulchan, *Russia* 61 Md
Bugulma, *Russia* 61 Lc
Buguruslan, *Russia* 61 Ld
Builth Wells, *Wales* 31 Eh
Buinsk, *Russia* 61 Ic
Buique, *Brazil* 91 Ke
Buitenpost, *Netherlands* 44 Ea
Bujumbura, *Burund* 77 Fe
Buka, I., *Solomon Is* 98 Eh
Bukama, *Congo* 76 Ff
Bukavu, *Congo* 77 Fe
Bukene, *Tanzania* 77 Ga
Bukhara, *Uzbekskaya S.S.R.* 58 Fe
Bukoba, *Tanzania* 77 Ge
Bukwimba *Tanzania* 77 Ge
Bula, *Seram I., Indonesia* 63 Kl
Bülach, *Switzerland* 45 Da
Bulagan, *Mongolia* 62 Da
Bulan, *Philippines* 63 Hh
Bulandshahr, *India* 70 Ef
Bulawayo, *Rhodesia* 75 Dd
Bulgaria, *Central Europe* 43 Nh
Bullange, *Belgium* 44 Ed
Buller R., *New Zealand* 93 Cd
Bullfinch, *W. Australia* 94 Cf
Bulloo Cr., *Queensland* 95 He
Bulnes, *Chile* 92 Be
Bulo Burti, *Somalia* 77 Kd
Bulsar, *India* 68 Dd
Bulu, Mt., *Borneo* 63 Gk
Bulun, *Russia* 59 Ma
Bumba, *Congo* 76 Ed
Buna, *Kenya* 77 Hd
Buna, *Papua* 95 Ja
Bunbury, *W. Australia* 94 Cf
Buncrana, *Eire* 30 Ce
Bundaberg, *Queensland* 95 Kd
Bundi, *India* 68 Ec
Bundooma, *N. Terr., Aust.* 95 Fd
Bundoran, *Eire* 31 Bf
Bungay, *England* 31 Hh
Bungo, *Angola* 76 Df
Bungo Str., *Japan* 66 Ch
Bunguran Kep., *Indonesia* 63 Ek
Bunschoten, *Netherlands* 44 Db
Buntok, *Borneo* 63 Gl
Buochs, *Switzerland* 45 Db
Buol, *Celebes* 63 Hk
Buolkalakh, *Russia* 59 La
Buorkhaya, Guba, *Russia* 59 Na
Buraimi, *Trucial States* 73 Ge
Bur Akaba, *Somalia* 77 Jd
Buram, *Sudan* 79 Lf
Burao, *Somalia* 77 Kc
Buraq, *Syria* 74 Ed
Burayda, *Arabia* 72 Dd
Burazjun, *Iran* 73 Fd
Burchun, *China* 62 Aa
Burd, Jebel, *Arabia* 72 Cd
Burdekin, R., *Queensland* 95 Jc
Burdia, *Sudan* 79 Lf
Burdur, *Turkey* 72 Bb
Burdwan, *India* 71 Fd
Bureå, *Sweden* 46 Jd
Bureinskiy Khrebet, *Russia* 59 Nd
Buren, *Netherlands* 44 Dc
Büren, *Switzerland* 45 Ca
Bureya, *Russia* 59 Nd
Burg, *Netherlands* 44 Bc
Burgas, *Bulgaria* 56 Fc
Bur Gavo, *Somalia* 77 Je
Burgdorf, *Switzerland* 45 Ca
Burgenland, prov., *Austria* 49 Ge
Burghersdorp, *Cape Prov.* 75 Df
Burgos, *Spain* 50 Da
Burhanpur, *India* 68 Ed
Buria, *India* 70 Ee
Burias I., *Philippines* 63 Hb
Buriti, *Brazil* 91 Jd
Burketown, *Queensland* 95 Gc
Burks Falls, *Ontario* 83 Gc
Burley, *Idaho* 87 Gd
Burlington, *Iowa* 85

Burnak, *Russia* 61 Ee
Burnie, *Tasmania* 95 Jh
Burnley, *England* 31 Fg
Burns, *Oregon* 87 Dd
Burnside R., *N.-W. Terr.* 80 Kc
Burriana, *Spain* 51 Ec
Burrinjuck Res., *N.S.W.* 95 Jg
Burrundie, *N. Terr., Aust.* 94 Fb
Bursa, *Turkey* 72 Aa
Burt L., *Michigan* 83 Dc
Burtonport, *Eire* 30 Bf
Burton-upon-Trent, *England* 31 Fh
Burträsk, *Sweden* 46 Jd
Burtscheid, *W. Germany* 44 Ed
Buru I., *Indonesia* 63 Jl
Burullus L., *Egypt* 79 Mb
Burum, *S. Yemen* 72 Eg
Burundi, *Cent. Afr.* 77 Fe
Burutu, *Nigeria* 78 Gg
Bury, *England* 31 Fg
Buryatskaya, rep., *Russia* 59 Kc
Bury St Edmunds, *England* 31 Hh
Busembatia, *Uganda* 77 Gd
Bushehr (Bushire), *Iran* 73 Fd
Businga, *Congo* 76 Ed
Busra, *Syria* 74 Ee
Bussa, *Nigeria* 78 Ff
Busselton, *W. Australia* 94 Cf
Bussum, *Netherlands* 44 Db
Busu Djanoa, *Congo* 76 Ed
Buta, *Congo* 76 Ed
Butana, *India* 70 Ef
Buta Ranquil, *Argentina* 92 Ce
Butare, *Rwanda* 77 Fe
Butaritari, I., *Gilbert Is.* 98 Gg
Bute I., *Scotland* 30 De
Bütgenbach, *Belgium* 44 Ed
Buthidaung, *Burma* 69 Hd
Butler, *Pennsylvania* 83 Ge
Butschwil, *Switzerland* 45 Ea
Butte, *Montana* 87 Gc
Buttes, *Switzerland* 45 Bb
Button Is., *Quebec* 81 Ud
Butuan, *Philippines* 63 Jj
Butung I., *Indonesia* 63 Hl
Buturlinovka, *Russia* 61 Ee
Buxar, *India* 71 Ec
Buxton, *England* 31 Fg
Buy, *Russia* 60 Mb
Buyaga, *Russia* 59 Mc
Buyr Nūr, *China* 62 Ga
Buzançais, *France* 52 Dc
Buzău, *Rumania* 56 Fb
Buzuluk, *Russia* 61 Ld
Buzzards B., *Massachusetts* 86 Eb
Byam Martin, C., *N.-W. Terr.* 81 Rb
Byam Martin Channel, *North-West Territories* 80 Ka
Bydgoszcz, *Poland* 49 Gb
Byelaya, R., *Russia* 61 Lc
Byelokatay, *Russia* 61 Pc
Byeloye Ozero, L., *Russia* 60 Ka
Bygland, *Norway* 47 Bg
Byglandsfjord, *Norway* 47 Bg
Bylot, I., *N.-W. Territories* 81 Rb
Byng Inlet, *Ontario* 83 Fc
Byrd Land, *Antarctica* 100 Pb
Byron, C., *New S. Wales* 95 Ke
Byske, *Sweden* 46 Jd
Bytom, *Poland* 49 Hc
Bytow, *Poland* 49 Ga

Caaguazu, *Paraguay* 92 Ec
Caballococha, *Peru* 90 Cd
Cabañas, *Cuba* 89 Cb
Cabanatuan, *Philippines* 63 Hg
Cabar, *Yugoslavia* 54 Ec
Cabedelo, *Brazil* 91 Le
Cabeza del Buey, *Spain* 50 Cc
Cabezas, *Bolivia* 90 Eg
Cabinda, *Angola* 76 Cf
Cabo Blanco, *Argentina* 92 Cg
Cabo Frio, *Brazil* 91 Jh
Cabonga Res., *Quebec* 83 Hb
Cabo Raso, *Argentina* 92 Cf
Cabosa I., *Burma* 69 Jf
Cabot Hd., *Ontario* 83 Fc
Cabot Str., *Nfd., etc* 82 Hc
Cabo Verde, Arquipelago de, *Atlantic Ocean* 78 Bh
Cabra, *Spain* 50 Cd
Cabrera I., *Balearic Is.* 51 Gc
Cabrobo, *Brazil* 91 Ke
Cabuérniga, *Spain* 50 Ca
Cabure, *Venezuela* 90 Da
Čačak, *Yugoslavia* 56 Cc
Cacapon R., *W. Virginia* 86 Ac
Cacequy, *Brazil* 92 Fc
Cáceres, *Brazil* 91 Fg
Cáceres, *Spain* 50 Bc
Cachar. See Silchar
Cachinal, *Chile* 92 Cb
Cachipoque, *Angola* 76 Dg
Cachoeira, *Brazil* 91 Kf
Cachoeira do Iguacu, *Argent.* 92 Fc
Cachoeira do Sul, *Brazil* 92 Fd
Caconda, *Angola* 76 Dg
Cacouna, *Quebec* 82 Dc
Cadaqués, *Spain* 51 Ga
Cadereyta, *Mexico* 88 Eb
Cader Idris, *Wales* 31 Eh
Cadillac, *Michigan* 83 Dc
Cádiz, *Spain* 50 Bd
Cádiz, Gulf of, *Spain* 50 Bd
Caen, *France* 52 Cb
Caernarvon B., *Wales* 31 Dg
Caernarvon & co., *Wales* 31 Eg
Cagayan, *Philippines* 63 Hj
Cagayan Sulu, I., *Phil.* 63 Gj
Cagliari & G. di, *Sardinia* 55 Bf
Caguas, *Puerto Rico* 89 Fc
Caha Mts., *Eire* 31 Aj
Cahore Pt., *Eire* 31 Ch
Cahors, *France* 53 Dd
Caiapônia, *Brazil* 91 Gg
Caibarien, *Cuba* 89 Db
Caicara, *Bolivar, Venezuela* 90 Db
Caicara, *Monagas, Venezuela* 90 Eb
Caicos Is., *Bahamas Is.* 89 Eb
Cailloma, *Peru* 90 Cg
Caimanera, *Cuba* 89 Dc
Caird Coast, *Antarctica* 100 Ab
Cairngorms, *Scotland* 30 E
Cairns, *Queensland* 95 Jc
Cairo, *Egypt* 79 Mb
Cairo, *Illinois* 85 Jd
Caithness, co., *Scotland* 30 Eb
Cajamarca, *Peru* 90 Be
Cajazeiras, *Brazil* 91 Ke
Cakovec, *Yugoslavia* 55 Fb
Cala, *Spain* 50 Bd
Calabar, *Nigeria* 78 Gg

Calabozo, *Venezuela* 90 Db
Calabria, dep., *Italy* 55 Ff
Calacoto, *Bolivia* 90 Dg
Calafat, *Rumania* 56 Dc
Calafate, *Argentina* 92 Bh
Calais, *France* 52 Da
Calais, *Maine* 82 Ed
Calama, *Brazil* 90 Ee
Calama, *Chile* 92 Cb
Calamar, *Colombia* 90 Ca
Calamar, *Colombia* 90 Cc
Calamian Group, *Phil.* 63 Gh
Calamocha, *Spain* 51 Eb
Calanaque, *Brazil* 90 Ed
Calatayud, *Spain* 51 Eb
Calava C., *Sicily* 55 Ef
Calbuco, *Chile* 92 Bf
Calceta, *Ecuador* 90 Bd
Calchaqui, *Argentina* 92 Dc
Calçoene, *Brazil* 91 Gc
Calcutta, *India* 69 Gd
Caldas da Rainha, *Portugal* 50 Ac
Caldera, *Chile* 92 Bc
Caldwell, *Idaho* 87 Ed
Calella, *Spain* 51 Gb
Calenzana, *Corsica* 53 Jf
Caleta Buena, *Chile* 92 Ba
Caleta Junin, *Chile* 92 Ba
Caleta Olivia, *Argentina* 92 Cg
Calgary, *Alberta* 80 Jf
Cali, *Colombia* 90 Bc
Calicut. See Kozhikode
California, G. of, *Mexico* 88 Bb
California, state, *U.S.A.* 84 Bd
Calimali, *Mexico* 88 Bb
Calingasta, *Argentina* 92 Cd
Callabonna L., *S. Aust.* 95 He
Callander, *Ontario* 83 Gb
Callander, *Scotland* 30 Ed
Callao, *Peru* 90 Bf
Callosa de Ensarriá, *Spain* 51 Ec
Calmon, *Brazil* 92 Fc
Caltagirone, *Sicily* 55 Eg
Caltanissetta, *Sicily* 55 Eg
Calulo, *Angola* 76 Dg
Calumet. See Hancock, *Mich.*
Calumet I., *Quebec* 83 Hc
Calunda, *Angola* 76 Eg
Calvados, dep., *France* 52 Cb
Calvillo, *Mexico* 88 Dc
Calvinia, *Cape Province* 75 Cf
Camabatela, *Angola* 76 Df
Camaguey, *Cuba* 89 Db
Camaguey, Is. de, *Cuba* 89 Db
Camana, *Peru* 90 Cg
Camara, *Brazil* 90 Ed
Camarat C., *France* 52 Ge
Camargo, *Bolivia* 90 Dh
Camargo, *Mexico* 88 Eb
Camarones & B., *Argentina* 92 Cf
Camarones R., *Chile* 92 Ca
Ca-Mau, *S. Vietnam* 67 De
Ca-Mau, Pt., *S. Vietnam* 67 Ce
Cambados, *Spain* 50 Aa
Cambay, *India* 68 Dd
Cambay, G. of, *India* 68 Dd
Cambell River, *B. Columbia* 80 Ff
Cambodia, *S.-E. Asia* 67 Cd
Cambodia, C. See Ca-Mau, Pt.
Cambona, *Moçambique* 77 Hg
Cambrai, *France* 52 Ea
Cambrian Mts., *Wales* 31 Eh
Cambridge, *Massachusetts* 86 Ea
Cambridge, *New Zealand* 93 Eb
Cambridge & Isle of Ely, co., *England* 37 Pc
Cambridge G., *W. Australia* 94 Eb
Cambridge Bay, *N.-W. Terr.* 80 Lc
Camden, *Arkansas* 85 He
Camden, *Delaware* 86 Cc
Camden, *Maine* 82 Dd
Camden, *New Jersey* 86 Cc
Camden, *New York* 83 Jd
Camedo, *Switzerland* 45 Db
Cameron Mts., *New Zealand* 93 Ag
Cameroon, *Cent. Africa* 79 Hg
Cameroon Mt., *Cameroon* 76 Bd
Camerota, *Italy* 55 Ef
Cameta, *Brazil* 91 Hd
Camina, *Chile* 92 Ca
Caminha, *Portugal* 50 Ab
Caminreal, *Spain* 51 Eb
Camoa, *Mexico* 88 Cb
Camocim, *Brazil* 91 Jd
Camooweal, *Queensland* 95 Gd
Camopi, *Fr. Guiana* 91 Gc
Camorta I., *Nicobar Is.* 69 Hg
Campana, *Argentina* 92 Ed
Campana, I., *Chile* 92 Ag
Campania, dep., *Italy* 55 Ee
Campas, *Mexico* 88 Ca
Campbell B., *N.-W. Terr.* 80 Lc
Campbell I., *Pacific Ocean* 98 Fn
Campbell, Mt., *Yukon* 80 Dd
Campbellford, *Ontario* 83 Hc
Campbellpore, *W. Pakistan* 70 Cd
Campbellton, *N.Brunswick* 82 Ec
Campbeltown, *Scotland* 30 De
Campeche & state, *Mexico* 88 Fd
Campeche, G. of, *Mexico* 88 Fd
Campiglia Marittima, *Italy* 54 Cd
Campillos, *Spain* 50 Cd
Campina Grande, *Brazil* 91 Ke
Campinas, *Brazil* 91 Hh
Campoalegre, *Colombia* 90 Bc
Campobasso, *Italy* 55 Ee
Campo Belo, *Brazil* 91 Hh
Campobello I., *N. Brunswick* 82 Ed
Campo Formosa, *Brazil* 91 Jf
Campo Gallo, *Argentina* 92 Dc
Campo Grande, *Brazil* 91 Gh
Campo Maior, *Brazil* 91 Jd
Campo Maior, *Portugal* 50 Bc
Campos, *Brazil* 91 Jh
Campos Sales, *Brazil* 91 Je
Campos Novos, *Brazil* 92 Fc
Camrose, *Alberta* 80 Jf
Camsell Mt., *N.-W. Terr.* 80 Gd
Canaan, *New Brunswick* 82 Fc
Canaan, *New Hampshire* 83 Ld
Canada, *N. America* 80-81
Cañada de Gomez, *Argent.* 92 Dd
Canadian R., *Oklahoma, etc.* 84 Fd
Cañadón León, *Argentina* 92 Bg
Canakkale, *Turkey* 72 Aa
Canama, *Brazil* 90 Ce
Canandaigua, *New York* 86 Ba
Canandaigua L., *New York* 86 Ba
Cananea, *Mexico* 88 Ba
Cananeia, *Brazil* 92 Gc
Canarias, Islas, *Atlantic Oc.* 78 Bc
Canarreos, Arch de los, *Cuba* 89 Cb

Canary Is. See Canarias
Canas, *Portugal* 50 Bb
Canaseraga, *New York* 86 Ba
Canatlan, *Mexico* 88 Dc
Cañaveral, *Spain* 50 Bc
Canaveral, C. See Kennedy, C.
Cañaveras, *Spain* 51 Db
Canavieiras, *Brazil* 91 Kg
Canberra Capital Terr., *Australia* 95 Jg
Candasnos, *Spain* 51 Eb
Candia. See Iráklion
Canea. See Khania
Canella, *Brazil* 92 Fc
Canelones, *Uruguay* 92 Ed
Canete, *Chile* 92 Be
Canete, *Peru* 90 Bf
Cañete, *Spain* 51 Eb
Cangamba, *Angola* 76 Dg
Cangandala, *Angola* 76 Df
Cangas, *Spain* 50 Ba
Canguaretama, *Brazil* 91 Le
Canha, *Portugal* 50 Ac
Canicatti, *Sicily* 55 Dg
Çankiri, *Turkey* 72 Ba
Canna, I., *Scotland* 30 Cc
Cannanore, *India* 68 Ef
Cannes, *France* 53 Ge
Canora, *Saskatchewan* 80 Lf
Canosa, *Italy* 55 Fe
Canso & C., *Nova Scotia* 82 Hd
Canso, Str. of, *Nova Scotia* 82 Hd
Cantábrica, Cord., *Spain* 50 Ca
Cantal, dep., *France* 53 Ed
Cantanhede, *Portugal* 50 Ab
Canterbury, *England* 31 Hj
Canterbury, *New Brunswick* 82 Ed
Canterbury Bight, *N.Z.* 93 Df
Canterbury Plains, *N.Z.* 93 Cf
Can Tho, *S. Vietnam* 67 De
Canton, *China* 65 Fl
Canton, *New York* 83 Jc
Canton, *Ohio* 83 Fe
Canton I., *Phoenix Is.* 98 Hh
Canuelas, *Argentina* 92 Ee
Canutama, *Brazil* 90 Ee
Cao Bang, *N. Vietnam* 67 Db
Capabarida, *Venezuela* 90 Ca
Capakçur. See Bingol
Capana, *Brazil* 90 Ee
Capao Bonito, *Brazil* 92 Gb
Cap Chat, *Quebec* 82 Eb
Cap de la Madeleine, *Quebec* 82 Bc
Cape Barren I., *Tasmania* 95 Jh
Cape Breton I., *Nova Scotia* 82 Hc
Cape Breton Highlands Nat. Park, *Nova Scotia* 82 Hc
Cape Caneveral, *Florida* 85 Kf
Cape Clear, *Eire* 31 Aj
Cape Coast, *Ghana* 78 Eg
Cape Cod B., *Massachusetts* 86 Eb
Cape Fear R., *N. Carolina* 85 Le
Cape Girardeau, *Missouri* 85 Hd
Capelinha, *Brazil* 91 Jg
Capelle, Ia, *France* 52 Eb
Cape May, *New Jersey* 86 Cc
Cape May Court House, *N.J.* 86 Cc
Cape Parry, *N.-W. Terr.* 80 Gb
Cape Province (Cape of Good Hope), *South Africa* 75 Cf
Cape Tormentine, *N.B.* 82 Gc
Cape Town, *Cape Province* 75 Bf
Cape Verde Is., *Atlantic Oc.* 78 Bh
Cape York Pen., *Queensland* 95 Hb
Cap Haitien, *Haiti* 89 Ec
Capilla, *Argentina* 92 Ed
Capilla del Monte, *Argentina* 92 Dd
Capim, *Brazil* 91 Hd
Caplan, *Quebec* 82 Fb
Capraia, I., *Italy* 54 Bd
Capreol, *Ontario* 83 Fb
Caprera, I., *Sardinia* 55 Be
Capri, I., *Italy* 55 Ee
Capricorn Chan., *Qnsind.* 95 Kd
Caprivi Strip, *S.-W. Africa* 75 Cc
Carabaya, Cord. de, *Peru* 90 Cf
Caracarai, *Brazil* 90 Ec
Caracas, *Venezuela* 90 Da
Caracol, *Brazil* 91 Je
Caraguatay, *Paraguay* 92 Eb
Caransebes, *Rumania* 56 Db
Carapegua, *Paraguay* 92 Ec
Caraquet, *New Brunswick* 82 Fc
Caras, *Peru* 90 Be
Caratasca Lag., *Honduras* 89 Cc
Caratinga, *Brazil* 91 Jg
Carauari, *Brazil* 90 Dd
Caravaca, *Spain* 51 Dc
Caravelas, *Brazil* 91 Kg
Caraveli, *Peru* 90 Cg
Carballino, *Spain* 50 Aa
Carballo, *Spain* 50 Aa
Carbonara C., *Sardinia* 55 Bf
Carbondale, *Pennsylvania* 86 Cb
Carcajou, *Alberta* 80 He
Carcassonne, *France* 53 Ee
Carcross, *Yukon* 80 Ed
Cardamom Hills, *India* 68 Eg
Cardenas, *Cuba* 89 Cb
Cardenas, *Mexico* 88 Ec
Cardiel, L., *Argentina* 92 Bg
Cardiff, *Wales* 31 Ej
Cardigan & B., *Wales* 31 Dh
Cardigan, co., *Wales* 31 Eh
Cardona, *Spain* 51 Fb
Cardston, *Alberta* 80 Jg
Cardwell, *Queensland* 95 Jc
Carey, L., *W. Australia* 94 De
Carhaix, *France* 52 Bb
Carhue. See Adolfo Alsina
Caribbean Sea, *West Indies* 89 Dd
Caribou, *Maine* 82 Dc
Caribou Mts., *Alberta* 80 He
Caribrod. See Dimitrovgrad
Carichic, *Mexico* 88 Cb
Cariñena, *Spain* 51 Eb
Carinhanha, *Brazil* 91 Jf
Caripito, *Venezuela* 90 Ea
Carius, *Brazil* 91 Ke
Carlet, *Spain* 51 Ec
Carleton, *Quebec* 82 Eb
Carleton, Mt., *N. Brunswick* 82 Ec
Carleton Place, *Ontario* 83 Hc
Carlingford L., *Eire* 31 Dg
Carlisle, *England* 31 Ff
Carlisle, *Pennsylvania* 86 Bb
Carlos Casares, *Argentina* 92 De
Carlow & co., *Eire* 31 Ch
Carlsbad Caverns Nat. Park, *New Mexico* 84 Fe
Carmacks, *Yukon* 80 Dd
Carman, *Manitoba* 80 Mg

Carmarthen & co., *Wales* 31 Ej
Carmarthen B., *Wales* 31 Dj
Carmaux, *France* 53 Ed
Carmel, *New York* 86 Db
Carmel, Mt., *Israel* 74 De
Carmelo, *Uruguay* 92 Ed
Carmen, *Bolivia* 90 Df
Carmen, *Colombia* 90 Bb
Carmen, *Mexico* 88 Fd
Carmen I., *Mexico* 88 Bb
Carmen Alto, *Chile* 92 Cb
Carmen de Patagones, *Argentina* 92 Df
Carmensa, *Argentina* 92 Ce
Carmona, *Spain* 50 Cd
Carnamah, *W. Aust.* 94 Ce
Carnarvon, *Cape Province* 75 Cf
Carnarvon, *W. Australia* 94 Bd
Carndonagh, *Eire* 30 Ce
Carnegie, L., *W. Australia* 94 De
Carnot, *Cent. Afr. Rep.* 79 Jh
Carnsore Pt., *Eire* 31 Ch
Caro, *Michigan* 83 Ed
Carolina, *Brazil* 91 He
Carolina, *Transvaal* 75 Ee
Caroline I., *Pacific Ocean* 99 Kh
Caroline Is., *Pacific Ocean* 98 Dg
Carora, *Venezuela* 90 Ca
Carpathian Mts., *Cent. Eur.* 43 Nf
Carpatii Sudici, *Rumania* 56 Db
Carpentaria, G. of, *Aust.* 95 Gb
Carrara, *Italy* 54 Cc
Carreño, *Spain* 50 Ca
Carrickmacross, *Eire* 31 Cg
Carrick-on-Shannon, *Eire* 31 Bg
Carrick-on-Suir, *Eire* 31 Ch
Carrión-de-los-Condes, *Sp.* 50 Ca
Carrowmore L., *Eire* 31 Af
Carroz, le, *Switzerland* 45 Bb
Carsamba, *Turkey* 72 Ca
Carson City, *Nevada* 87 Df
Carson Sink, *Nevada* 87 Df
Carstairs, *Scotland* 30 Ee
Carstensz, Mt., *New Guinea* 63 Ll
Cartagena, *Colombia* 90 Ba
Cartagena, *Spain* 51 Ed
Cartago, *Colombia* 90 Bc
Cartago, *Costa Rica* 89 Ce
Cartaxo, *Portugal* 50 Ac
Cartaya, *Spain* 50 Bd
Carteret, *France* 52 Cb
Carterton, *New Zealand* 93 Ed
Carthage, *Missouri* 85 Hd
Carthage, *New York* 83 Jd
Cartier, *Ontario* 83 Fb
Cartwright, *Labrador* 81 Vf
Carupano, *Venezuela* 90 Ea
Carutaperá, *Brazil* 91 Hd
Carvoeiro, *Brazil* 90 Ed
Casablanca, *Chile* 92 Bd
Casablanca, *Morocco* 78 Db
Casaccia, *Switzerland* 45 Eb
Casas Grandes, *Mexico* 88 Ca
Casas Ibáñez, *Spain* 51 Ec
Cascade Ra., *Oregon, etc.* 84 Bc
Cascais, *Portugal* 50 Ac
Casco B., *Maine* 82 Ce
Caserta, *Italy* 55 Ee
Caseville, *Michigan* 83 Ed
Cashel, *Eire* 31 Bh
Casilda, *Argentina* 92 Dd
Casilda, *Cuba* 89 Db
Casino, *New South Wales* 95 Ke
Casma, *Peru* 90 Be
Casmalia, *California* 87 Ch
Caspe, *Spain* 51 Eb
Casper, *Wyoming* 84 Ec
Caspian Sea, *Europe-Asia* 58 Dd
Cassai, *Angola* 76 Eg
Cassamba, *Angola* 76 Eg
Cassel, *France* 52 Ea
Cassinga, *Angola* 75 Bc
Cassino, *Brazil* 92 Fd
Cassino, *Italy* 55 De
Cassis, *France* 53 Fe
Cassopolis, *Michigan* 83 Ce
Cassou, *Upper Volta* 78 Ef
Castanhal, *Brazil* 90 Ee
Castanheiro, *Brazil* 90 Dd
Castaño, *Argentina* 92 Cd
Castasegna, *Switzerland* 45 Eb
Casteljaloux, *France* 53 Cd
Castellammare & G. di, *Sicily* 55 Df
Castellammare di Stabia, *It.* 55 Ee
Castellane, *France* 53 Ge
Castellar de Santiago, *Spain* 50 Dc
Castelli, *Argentina* 92 Ee
Castellón de la Plana, *Spain* 51 Ec
Castellote, *Spain* 51 Eb
Castelnaudary, *France* 53 Ee
Castelo Branco, *Portugal* 50 Bc
Castelo de Vide, *Portugal* 50 Bc
Castelsarrasin, *France* 53 De
Castelvetrano, *Sicily* 55 Dg
Casterle, *Belgium* 44 Cc
Castets, *France* 53 Ce
Castilletes, *Colombia* 90 Ca
Castillo, Mt., *Chile* 92 Bg
Castine, *Maine* 82 Dd
Castlebar, *Eire* 31 Ag
Castle Douglas, *Scotland* 31 Ef
Castlerea, *Eire* 31 Bg
Castlereagh, R., *N.S.W.* 95 Jf
Castle Rock, Mt., *Oregon* 87 Dc
Castres, *France* 53 Ee
Castro, *Brazil* 92 Fb
Castro, *Chile* 92 Bf
Castro Marin, *Portugal* 50 Bd
Castropol, *Spain* 50 Ba
Castrovillari, *Italy* 55 Ff
Castuera, *Spain* 50 Cc
Cat I., *Bahama Is.* 89 Db
Catabola, *Angola* 76 Dg
Catamaran, *Tasmania* 95 Jh
Catamarca, *Argentina* 92 Cc
Catanduanes, I., *Philippines* 63 Hh
Catania & G. di, *Sicily* 55 Eg
Catanzaro, *Italy* 55 Ff
Catarman, *Philippines* 63 Hh
Catastrophe, C., *S. Australia* 95 Gg
Cateau, le, *France* 52 Ea
Catonsville, *Maryland* 86 Bc
Catorce, *Mexico* 88 Dc
Catrilo, *Argentina* 92 De
Catskill & Mts., *New York* 86 Ca
Cattaraugus, *New York* 86 Aa
Catuna, *Argentina* 92 Cd
Caungula, *Angola* 76 Df
Cauquenes, *Chile* 92 Be
Causapscal, *Quebec* 82 Eb
Cauto, R., *Cuba* 89 Db
Cauvery R., *India* 68 Ef

Cavalcante, *Brazil* 91 Hf
Cavan & co., *Eire* 31 Cg
Cave, *New Zealand* 93 Cf
Cavergno, *Switzerland* 45 Db
Caviana, I., *Brazil* 91 Gc
Cawnpore. See Kanpur
Caxias, *Brazil* 90 Cd
Caxias, *Brazil* 91 Jd
Caxias do Sul, *Brazil* 92 Fc
Cayambe, *Ecuador* 90 Bc
Cayenne, *French Guiana* 91 Gc
Cayes, Les, *Haiti* 89 Ec
Cayman Is., *W. Indies* 89 Cc
Cayo, *British Honduras* 89 Bc
Cayuga, *Ontario* 83 Gd
Cayuga L., *New York* 86 Ba
Cazage, *Angola* 76 Eg
Cazalla de la Sierra, *Spain* 50 Cd
Cazenovia, *New York* 86 Ca
Cazin, *Yugoslavia* 54 Ec
Cazorla, *Spain* 50 Dd
Ceará. See Fortaleza
Ceanannus Mór. See Kells
Ceara Mirim, *Brazil* 91 Ke
Cebaco, I., *Panama* 89 Ce
Cebollar, *Argentina* 92 Cc
Cebollera, sa., *Spain* 51 Db
Cebu, *Philippines* 63 Hh
Ceclavín, *Spain* 50 Bc
Cedar Mts., *Oregon* 87 Ed
Cedar Ra., *Utah* 87 Ge
Cedarburg, *Wisconsin* 83 Cd
Cedar City, *Utah* 87 Gg
Cedar Key, *Florida* 85 Kf
Cedar Rapids, *Iowa* 85 Hc
Cedar Springs, *Michigan* 83 Dd
Cedral, *Mexico* 88 Dc
Cedros, I., *Mexico* 88 Ab
Ceduna, *S. Australia* 95 Ff
Cefalu, *Sicily* 55 Ef
Cegled, *Hungary* 49 He
Cehegín, *Spain* 51 Ec
Ceiba, La, *Honduras* 88 Gd
Cejal, *Colombia* 90 Dc
Celanova, *Spain* 50 Ba
Celaya, *Mexico* 88 Dc
Celebes, I., *Indonesia* 63 Gl
Celebes Sea, *Indonesia* 63 Hk
Celje, *Yugoslavia* 54 Eb
Cella, *Spain* 51 Eb
Celle, *Germany* 48 Cb
Celles, *Belgium* 44 Bd
Çemişgezek, *Turkey* 72 Cb
Cenis, Mte., *France* 54 Ac
Centerville, *Iowa* 85 Hc
Central, Cord., *Peru* 90 Be
Central, Cord., *Rep. Dom.* 89 Ec
Central African Republic 79 Jg
Central America 89 Bd
Centralia, *Illinois* 83 Bf
Centralia, *Washington* 87 Bb
Central Lake, *Michigan* 83 Dc
Centreville, *New Brunswick* 82 Ec
Cephalonia. See Kefallinia
Ceram Sea, *Indonesia* 63 Jl
Cerignola, *Italy* 55 Ee
Cerigo. See Kithira I.
Cerigotto. See Andikithira
Cerknica, *Yugoslavia* 54 Ec
Çermik, *Turkey* 72 Cb
Cernauti. See Chernovtsy
Cerralvo, *Mexico* 88 Eb
Cerralvo, I., *Mexico* 88 Cc
Cerreto Sannita, *Italy* 55 Ee
Cerro de Pasco, *Peru* 90 Bf
Cervera de Pisuerga, *Spain* 50 Ca
Cesena, *Italy* 54 Dc
Cesis, *Latvia* 47 Lh
Ceská Lipa, *Czechoslovakia* 48 Fc
České Budějovice, *Czech.* 48 Fd
Cessnock, *New S. Wales* 95 Kf
Cetinje, *Yugoslavia* 56 Bc
Cetraro, *Italy* 55 Ef
Cette. See Sète
Ceuta, *N. Africa* 78 Da
Ceuta, B. de, *Mexico* 88 Cc
Cevennes, *France* 53 Ee
Cevio, *Switzerland* 45 Db
Ceylon, I., *Indian Ocean* 68 Eg
Chablis, *France* 52 Ec
Chacabuco, *Argentina* 92 Dd
Chacance, *Chile* 92 Cb
Chachapoyas, *Peru* 90 Be
Chachwengsao, *Thailand* 67 Cd
Chad (Tchad), *Cent. Africa* 79 Jf
Chad (Tchad) L., *Chad* 79 Hf
Chagai, *W. Pakistan* 68 Bc
Chagda, *Russia* 59 Nc
Chagny, *France* 52 Fc
Chagode, *Russia* 60 Jb
Chagos Arch., *Indian Ocean* 96 Fe
Chaguaramas, *Trinidad* 90 Ea
Chāh Bahār, *Iran* 73 Hd
Chaibassa, *India* 71 Ed
Chaise Dieu, *France* 53 Ed
Chakansur, *Afghanistan* 73 Hc
Chakia, *India* 71 Dc
Chaksam, *Tibet* 69 Hc
Chakwal, *W. Pakistan* 70 Cd
Chala, *Peru* 90 Cg
Chalchihuites, *Mexico* 88 Dc
Chalcis. See Khalkis
Chaleur B., *Quebec-N.B.* 82 Fc
Chalham, I., *Chile* 92 Ch
Chalhuanca, *Peru* 90 Cf
Chaling, *China* 65 Fj
Chalisgaon, *India* 68 Dd
Chalk River, *Ontario* 83 Hc
Challapata, *Bolivia* 90 Dg
Châlons-sur-Marne, *France* 52 Fb
Châlon-sur-Saône, *France* 52 Fc
Chalus, *France* 52 Dd
Cham, *Germany* 48 Ed
Chaman, *W. Pakistan* 68 Cb
Chamba, *India* 70 Ed
Chamba, *Tanzania* 77 Hg
Chambal R., *India* 68 Ec
Chamberlain L., *Maine* 82 Dc
Chambersburg, *Pennsylvania* 86 Bc
Chambéry, *France* 52 Fd
Chambica, *Brazil* 91 He
Chambord, *Quebec* 82 Bb
Chamdo, *China* 62 Cd
Chamical, *Argentina* 92 Cd
Chamo, L., *Ethiopia* 77 Hc
Chamonix, *France* 52 Gd
Champa, *India* 71 De
Champagne, prov., *France* 52 Eb
Champaign, *Illinois* 83 Be
Champerico, *Guatemala* 88 Fe
Champlain L., *N.Y.-Vermont* 83 Kc
Champlitte, *France* 52 Fc
Champion, *Belgium* 44 Dd
Chamusca, *Portugal* 50 Ac
Chan-chiang. See Tsamkong
Chanco, *Chile* 92 Be
Chancy, *Switzerland* 45 Ab
Chanda, *India* 68 Ed
Chandausi, *India* 71 Ba
Chanderi, *India* 71 Bc
Chandernagore, *India* 71 Gd
Chandigarh, *India* 70 Ee
Chandod, *India* 68 Dd
Chandpur, *East Pakistan* 69 Hd
Chandpur, *India* 71 Ba
Chandrakona, *India* 71 Fd
Chanduria, *East Pakistan* 71 Gd
Chanf, *Iran* 73 Hd
Chang-chia-k'on. See Changkiakow
Changchih, *China* 64 Fd
Changchow, *China* 65 Hk
Changchow, *China* 64 Kg
Changchun, *China* 62 Jb
Changhua, *Taiwan* 65 Kk
Changkiakow, *China* 64 Gb
Changlo, *China* 64 Jd
Changpeh, *China* 64 Gb
Changping, *China* 64 Hb
Changpu, *China* 65 Hk
Changsha, *China* 65 Fh
Changshan, *China* 65 Jh
Changte. See Anyang
Changteh, *China* 65 Eh
Changting, *China* 65 Hk
Changyeh, *China* 62 Dc
Channel Is., *California* 84 Be
Channel Is., *English Channel* 31 Al
Chantada, *Spain* 50 Ba
Chanthaburi, *Thailand* 67 Cd
Chantilly, *France* 52 Eb
Chanute, *Kansas* 84 Gd
Chany, Oz., *Russia* 58 Gc
Chao, R., *Thailand* 63 Dg
Chaoan, *China* 65 Hl
Chaochow, *China* 65 Hl
Chao Hu, *China* 64 Hg
Chaotung, *China* 65 Aj
Chapala, L., *Mexico* 88 Dc
Chapayevsk, *Russia* 61 Jd
Chapleau, *Ontario* 83 Eb
Chapra, *India* 71 Ec
Char, *Mauritania* 78 Cd
Chara, *Russia* 59 Lc
Charagua, *Bolivia* 90 Eg
Charana, *Bolivia* 90 Dg
Charco Azul B., *Panama* 89 Ce
Charcot, I., *Antarctica* 100 Sc
Chardzhou, *Turkmenistan* 58 Fe
Charente, dep., *France* 52 Dd
Charente, R., *France* 52 Cd
Charente-Maritime, dep., *Fr.* 52 Cd
Chari R., *Chad* 79 Jf
Charikar, *Afghanistan* 73 Jc
Charité, la, *France* 52 Ec
Charkhari, *India* 71 Bc
Charleroi, *Belgium* 44 Cd
Charles C., *Virginia* 85 Ld
Charles City, *Iowa* 85 Hc
Charles L., *Louisiana* 85 He
Charles R., *Massachusetts* 86 Ea
Charleston, *S. Carolina* 85 Le
Charleston, *W. Virginia* 85 Kd
Charleston Pk., *Nevada* 87 Fg
Charles Town, *W. Virginia* 86 Bc
Charleville, *Eire* 31 Bh
Charleville, *France* 52 Fb
Charleville, *Queensland* 95 Je
Charlevoix, *Michigan* 83 Dc
Charlotte, *Michigan* 83 Dd
Charlotte, *New York* 83 Hd
Charlotte, *N. Carolina* 85 Kd
Charlotte Amalie, *Virgin Is.* 89 Gc
Charlotte Harbor, *Florida* 85 Kf
Charlottenburg, *Germany* 48 Eb
Charlottesville, *Virginia* 85 Ld
Charlottetown, *P.E.I.* 82 Gc
Charlton, *Victoria, Aust.* 95 Hg
Charlton I., *N.-W. Terr.* 81 Rf
Charmey, *Switzerland* 45 Cb
Charolles, *France* 52 Fc
Charsadda, *W. Pakistan* 70 Bc
Charters Towers, *Queensland* 95 Jd
Chartres, *France* 52 Db
Chartreuse, *France* 52 Fd
Charvonnex, *France* 45 Bc
Chascomus, *Argentina* 92 Ee
Chasseneuil, *France* 52 Dd
Châteaubriant, *France* 52 Cc
Château Chinon, *France* 52 Ec
Château-du-Loir, *France* 52 Dc
Châteaudun, *France* 52 Db
Château Gontier, *France* 52 Cc
Château-la-Vallière, *France* 52 Dc
Châteaulin, *France* 52 Ab
Châteauneuf-en-Thymerais, *France* 52 Db
Châteaurenault, *France* 52 Dc
Châteauroux, *France* 52 Dc
Chateau Salins, *France* 52 Gb
Château Thierry, *France* 52 Eb
Châteauvillain, *France* 52 Fb
Châtelet, *Belgium* 44 Cd
Châtellerault, *France* 52 Dc
Châtel-St Denis, *Switz.* 45 Bb
Chatham, *England* 31 Hj
Chatham, *New Brunswick* 82 Fc
Chatham, *New York* 83 Kd
Chatham, *Ontario* 83 Ed
Chatham Is., *Pacific Ocean* 99 Hm
Cha Thing Phra, *Thailand* 67 Ce
Châtillon-sur-Seine, *France* 52 Fc
Chatra, *India* 71 Ec
Chatrapur, *India* 69 Ge
Châtre, la, *France* 52 Ec
Chattahoochee R., *Georgia* 85 Ke
Chattanooga, *Tennessee* 85 Jd
Chaudiere R., *Quebec* 83 Lb
Chau-doc, *S. Vietnam* 67 Cd
Chauka R., *India* 71 Cb
Chaumont-en-Bassigny, *Fr.* 52 Fb
Chaunskaya Guba, *Russia* 59 Rb
Chausa, *India* 71 Dc
Chautauqua L., *New York* 86 Aa
Chaux de Fonds, la, *Switz.* 45 Ba
Chaves, *Brazil* 91 Hd
Chaves, *Portugal* 50 Bb
Chayu, *Tibet* 62 Ce
Chazon,

Cheju Do, *Korea* 62 Jd
Chekiang, prov., *China* 65 Jh
Chekunda, *Russia* 59 Nc
Chelforó, *Argentina* 92 Ce
Chelkar, *Kazakh.* 58 Ed
Chełm, *Poland* 49 Kc
Chelmsford, *England* 31 Hj
Chelsea, *Vermont* 83 Kc
Chelsea, *Wisconsin* 83 Ac
Cheltenham, *England* 31 Fj
Chelva, *Spain* 51 Ec
Chelyabinsk, *Russia* 61 Qc
Chemba, *Moçambique* 75 Ec
Chembar, *Russia* 61 Fd
Chemnitz. See Karl Marx Stadt
Chenab R., *W. Pakistan* 70 Be
Chenan, *China*, 64 Df
Chenchow See Hwaiyang
Chenesht, *Iran* 73 Gc
Chengchow, *China* 64 Fe
Chengho, *China* 65 Jj
Chengshan Tow, *China* 62 Hc
Chêngtêhshih, *China* 64 Hb
Chengtu, *China* 64 Bg
Chenhsien, *China* 65 Fk
Chenoa, *Illinois* 83 Be
Chenting, *China* 64 Gc
Chenyüan, *China* 65 Dj
Cheongkong, *Hainan I.* 62 Eg
Chepen, *Peru* 90 Be
Chepes, *Argentina* 92 Cd
Cher, R. & dep., *France* 52 Ec
Cherbourg, *France* 52 Cb
Cherchell, *Algeria* 78 Fa
Cheremkhovo, *Russia* 59 Kc
Cherepovets, *Russia* 60 Lb
Cherkassy, *Ukraine* 60 Gg
Chermoz, *Russia* 58 Ec
Chernigov, *Ukraine* 60 Gf
Chernikovsk, *Russia* 61 Nc
Chernovsk, *Russia* 61 Ja
Chernovtsy, *Ukraine* 60 Dg
Chernyakhovsk, *Russia* 47 Jj
Cherokee, *Iowa* 84 Gc
Cherrapungi, *India* 69 Hc
Cherryfield, *Maine* 82 Ed
Cherskogo, Khrebet, *Russia* 59 Pb
Chertkovo, *Ukraine* 60 Lg
Cherven Bryag, *Bulgaria* 56 Ec
Chesapeake B., *Maryland* 85 Ld
Cheshire, co., *England* 31 Fg
Cheshskaya Guba, *Russia* 58 Db
Chesley, *Ontario* 83 Fc
Chester, *England* 31 Fg
Chester, *Pennsylvania* 86 Cc
Chesterfield, *England* 31 Gg
Chesterfield Inl., *N.-W. Terr.* 81 Nd
Chesterfield Inlet, *N.-W. Terr.* 81 Nd
Chesterfield Is., *Pacific Oc.* 98 Ej
Chestertown, *Maryland* 86 Bc
Chesuncook L., *Maine* 82 Dc
Chethang, *Tibet* 69 Hc
Chetumal, *Mexico* 88 Gd
Chetumal B., *Mexico* 89 Bc
Cheviot, *New Zealand* 93 De
Cheviot, The, *England* 30 Fe
Cheviot Hills, *Eng.-Scot.* 30 Fe
Cheyenne, *Wyoming* 84 Fc
Cheyenne R., *S. Dakota* 84 Fc
Chhachrauli, *India* 70 Ee
Chhata, *India* 70 Eg
Chhatarpur, *India* 71 Bc
Chhibramau, *India* 71 Bb
Chhindwara, *India* 71 Bd
Chiai, *Taiwan* 65 Kl
Chia-mu-ssu. See Kiamusze
Chiang-hsi. See Kiangsi
Chiang-kan, *Thailand* 67 Cc
Chiang Mai, *Thailand* 67 Bc
Chiang Rai, *Thailand* 67 Bc
Chiang-su. See Kiangsu
Chiapa, *Mexico* 88 Fd
Chiapas R. & state, *Mexico* 88 Fd
Chiasso, *Switzerland* 45 Ec
Chiavari, *Italy* 54 Bc
Chiba, *Japan* 66 Gg
Chibia, *Angola* 75 Ac
Chibougamau & L., *Quebec* 82 Ab
Chicago, *Illinois* 83 Ce
Chichagof I., *Alaska* 85 Zm
Chichester, *England* 31 Gk
Ch'i-ch'i-ha-erh. See Tsitsihar
Chickasha, *Oklahoma* 84 Ge
Chiclayo, *Peru* 90 Be
Chico, *California* 87 Cf
Chicoana, *Argentina* 92 Cc
Chicopee, *Massachusetts* 86 Da
Chicoutimi, *Quebec* 82 Cb
Chicuma, *Angola* 76 Dd
Chicundo, *Transvaal* 75 Ed
Chidambaram, *India* 68 Ef
Chidley, C., *Quebec* 81 Ud
Chiengue, *Angola* 76 Dg
Chien-ou. See Kienow
Chieti, *Italy* 54 Ed
Chièvres, *Belgium* 44 Bd
Chignecto B., *N.B.-N.S.* 82 Fd
Chihchow. See Kweichih
Chih-fêng, *China* 64 Ja
Chihkiang, *China* 65 Dj
Chihsien, *China* 64 Ge
Chihuahua & state, *Mexico* 88 Cb
Chikala, *Malawi* 77 Hg
Chik-Ballapur, *India* 68 Ef
Chikien, *China* 59 Mc
Chikmagalur, *India* 68 Ef
Chikwawa, *Malawi* 77 Gh
Chilant'ai, *China* 64 Bc
Chilas, *Kashmir* 70 Dc
Chilca, Pta. de, *Peru* 90 Bf
Chile, rep., *S. America* 92 Bf
Chilecito, *Argentina* 92 Cc
Chilete, *Peru* 90 Be
Chilia Veche, *Rumania* 56 Gb
Chi-lin. See Kirin
Chilka L., *India* 69 Ge
Chilko L., *Brit. Columbia* 80 Gf
Chilko R., *Brit. Columbia* 80 Gf
Chillan, *Chile* 92 Be
Chillicothe, *Ohio* 83 Ef
Chilliwack, *Brit. Columbia* 80 Gg
Chiloe, I. de, *Chile* 92 Bf
Chilonga, *Zambia* 77 Gg
Chilpancingo, *Mexico* 88 Ed
Chiltern Hills, *England* 31 Gj
Chilton, *Wisconsin* 83 Bc
Chiluane, *Moçambique* 75 Fd
Chilubula, *Zambia* 77 Gg
Chilumba, *Malawi* 75 Eb
Chilung, *Taiwan* 65 Kk
Chilwa L., *Malawi* 77 Hh
Chimay, *Belgium* 44 Cd
Chimbay, *Uzbekskaya S.S.R.* 58 Fd
Chimbote, *Peru* 90 Be
Chimkent, *Kazakh.* 58 Fd
China, *Asia* 41 Ke
Chi-nan. See Tsinan
Chinandega, *Nicaragua* 89 Bd
Chincha, *Peru* 90 Bf
Chinchaga R., *Alberta* 80 He
Chin-chiang. See Tsingkiang
Chinchón, *Spain* 50 Db
Chinchow, *China* 62 Hb
Chindwin R., *Burma* 69 Jc
Ching Hai, *China* 62 Dc
Chingleput, *India* 68 Ff
Ching Shan, *China* 64 Eg
Ch'ing-tao. See Tsingtao
Chinguetta, *Mauritania* 78 Cd
Ch'ing-yuan. See Paoting
Chinhai, *China* 65 Kh
Chin Hills, *Burma* 69 Hd
Chin-hua. See Kinhwa
Chini, *India* 70 Fe
Chi-ning. See Tsining
Chiniot, *W. Pakistan* 70 Ce
Chinju, *Korea* 62 Jc
Chinkiang, *China* 64 Jf
Chin Ling Shan, *China* 62 Ed
Chinsura, *India* 71 Gd
Chinwangtao, *China* 64 Jc
Chioggia, *Italy* 54 Dc
Chios, I. See Khíos, I.
Chipili, *Zambia* 77 Fg
Chipman, *New Brunswick* 82 Fc
Chipoka, *Malawi* 75 Eb
Chippenham, *England* 31 Fj
Chippewa, R., *Wisconsin* 85 Hb
Chipping Norton, *England* 31 Fj
Chiputneticook Ls., *Maine-New Brunswick* 82 Ed
Chiquian, *Peru* 90 Bf
Chiquimula, *Guatemala* 88 Ge
Chiquinquira, *Colombia* 90 Cb
Chiras, *Afghanistan* 73 Jb
Chirawa, *India* 70 Df
Chiriqui, Lag. de, *Panama* 89 Ce
Chiriqui Grande, *Panama* 89 Ce
Chirpan, *Bulgaria* 56 Ec
Chirripo Grande, Mt., *Costa Rica* 89 Ce
Chisamba Falls, *Zambia* 77 Gg
Chishmy, *Russia* 61 Mc
Chisimaio, *Somalia* 77 Je
Chisinau. See Kishinev
Chistopol', *Russia* 61 Kc
Chita, *Russia* 59 Lc
Chitambo, *Zambia* 77 Gg
Chitila, *Rumania* 56 Fb
Chitipa, *Malawi* 75 Ea
Chitorgarh, *India* 68 Dd
Chitradurga, *India* 68 Ef
Chitral & R., *W. Pakistan* 70 Bc
Chitre, *Panama* 89 Ce
Chittagong, *East Pakistan* 69 Hd
Chittoor, *India* 68 Ef
Chiusi, *Italy* 54 Cd
Chiuta, L., *Malawi* 77 Hg
Chiva, *Spain* 51 Ec
Chivasso, *Italy* 54 Ac
Chivay, *Peru* 90 Cg
Chivilcoy, *Argentina* 92 Dd
Chiwanda, *Tanzania* 77 Gg
Chmielnik, *Poland* 49 Jc
Choapam, *Mexico* 88 Ed
Choban Bey, *Syria* 74 Fa
Chocaya, *Bolivia* 90 Dh
Chocen, *Czechoslovakia* 49 Gc
Cho-chow, *China* 64 Gc
Choco, *Colombia* 90 Bb
Choconta, *Colombia* 90 Cb
Choele Choel, *Argentina* 92 Ce
Choiseul, I., *Solomon Islands* 98 Eh
Choix, *Mexico* 88 Cb
Chojna, *Poland* 48 Fb
Choke Mts., *Ethiopia* 77 Hb
Cholet, *France* 52 Cc
Cholon, *S. Vietnam* 67 Dd
Choluteca, *Honduras* 89 Bd
Choma, *Zambia* 75 Dc
Chomutov, *Czechoslovakia* 48 Ec
Chone, *Ecuador* 90 Ad
Chongjin, *Korea* 62 Jb
Chong Kal, *Cambodia* 67 Cd
Chonos, Arch. de los, *Chile* 92 Bg
Chorillos, *Peru* 90 Bf
Chorrera, *Panama* 89 De
Chorzele, *Poland* 49 Jb
Chorzow, *Poland* 49 Hc
Choshi, *Japan* 66 Gg
Chos Malal, *Argentina* 92 Be
Chota, *Peru* 90 Be
Choushan I., *China* 65 Lg
Christchurch, *New Zealand* 93 De
Christianshaab, *Greenland* 81 Wc
Christie, Mt., *Yukon* 80 Fd
Christmas I., *Indian Ocean* 63 En
Christmas, I., *Pacific Ocean* 99 Kg
Chrudim, *Czechoslovakia* 49 Fd
Chrzanów, *Poland* 49 Hc
Chuale L., *Moçambique* 75 Ed
Chuambara, *Moçambique* 75 Ec
Chuanchow, *China* 65 Jk
Chuanhsien, *China* 65 Ej
Chubut & R., *Argentina* 92 Cf
Chuchow, *China* 65 Fj
Chuchow. See Lishui
Chucul, *Argentina* 92 Dd
Chudovo, *Russia* 60 Gb
Chudskoye, Ozero, *Estonia-Russia* 47 Mg
Chuhsien, *China* 64 Je
Chühsien, *China* 65 Jh
Chukai, W. *Malaysia* 63 Dk
Chukhloma, *Russia* 61 Fa
Chukotskiy Khrebet, *Russ.* 59 Sb
Chul'man, *Russia* 59 Mc
Chulym, *Russia* 58 Hc
Chumbi, *Tibet* 69 Gc
Chumikan, *Russia* 59 Nc
Chumporn, *Thailand* 67 Bd
Chuna, R., *Russia* 59 Jc
Chunar, *India* 71 Dc
Chunchŏn, *Korea* 62 Jc
Chungan, *China* 65 Hj
Chung-ch'ing. See Chungking
Chunghsien, *China* 65 Cg
Chungking, *China* 65 Ch
Chungshan, *China* 65 Ek
Chungsiang, *China* 64 Fg
Chungtien, *China* 62 Ce
Chunian, *W. Pakistan* 70 Ce
Chunya, *Tanzania* 77 Gf
Chuquibambilla, *Peru* 90 Cf
Chuquicamata, *Chile* 92 Cb
Chur, *Switzerland* 45 Eb
Churapcha, *Russia* 59 Nb
Churchill, *Manitoba* 80 Ne
Churchill C., *Manitoba* 81 Ne
Churchill L., *Saskatchewan* 80 Ke
Churchill R., *Manitoba* 80 Me
Churia Ghati Hills, *Nepal* 71 Eb
Churu, *India* 70 Df
Chusovoy, *Russia* 58 Ec
Chuvashskaya, aut. rep., *Russia* 58 Dc
Chwan Ho. See Yangtze Kiang
Ciaris, I. de, *Mexico* 88 Bb
Cicero, *Illinois* 83 Be
Cidones, *Spain* 51 Db
Ciechanow, *Poland* 49 Jb
Ciego de Avila, *Cuba* 89 Db
Cienaga, *Colombia* 90 Ca
Cienfuegos, *Cuba* 89 Cb
Cierfs, *Switzerland* 45 Fb
Cieszyn, *Poland* 49 Hd
Cieza, *Spain* 51 Ec
Cifuentes, *Spain* 51 Db
Cimaltepec, *Mexico* 88 Ed
Cimarron R., *Oklahoma, etc.* 84 Fd
Cimpulung, *Rumania* 56 Eb
Cincinnatti, *Ohio* 83 Df
Cioara, *Rumania* 56 Fb
Ciotat, *France* 53 Fe
Circeo C., *Italy* 55 De
Circle, *Alaska* 85 Yl
Circleville, *Ohio* 83 Ef
Cirencester, *England* 31 Fj
Ciro, *Italy* 55 Ff
Cirque Mt., *Labrador* 81 Ue
Citlaltepetl, Mt., *Mexico* 88 Ed
Citrusdal, *Cape Province* 75 Bf
Cittanova, *Italy* 55 Ff
Ciudad Bolivar, *Venezuela* 90 Eb
Ciudad Bolivia, *Venezuela* 90 Cb
Ciudad Camargo, *Mexico* 88 Cb
Ciudad Juarez, *Mexico* 88 Ca
Ciudad Madero, *Mexico* 88 Ec
Ciudad Real, *Spain* 50 Dc
Ciudad Rodrigo, *Spain* 50 Bb
Ciudad Victoria, *Mexico* 88 Ec
Civitanova Marche, *Italy* 54 Dd
Civray, *France* 52 Dc
Civril, *Turkey* 72 Ab
Cizre, *Turkey* 72 Db
Clackmannan co., *Scotland* 30 Ed
Clacton, *England* 31 Hj
Claire, L., *Alberta* 80 Je
Clamecy, *France* 52 Ec
Clara I., *Burma* 69 Jf
Clare, *Michigan* 83 Dd
Clare, co., *Eire* 31 Ah
Clare I., *Eire* 31 Ag
Claremont, *New Hampshire* 86 Da
Claremorris, *Eire* 31 Bg
Clarence R., *New Zealand* 93 De
Clarence Hd., *N.-W. Terr.* 81 Ra
Clarence I., *Antarctica* 100 Tc
Clarence, I., *Chile* 92 Bh
Clarence Str., *N. Terr., Aust.* 94 Fb
Clarion, *Pennsylvania* 86 Ab
Clarion R., *Pennsylvania* 86 Ab
Clarksburg, *West Virginia* 83 Ff
Clarksdale, *Mississippi* 85 He
Clarksville, *Tennessee* 85 Jd
Claro, *Switzerland* 45 Eb
Clausthal, *Germany* 48 Dc
Clear, C., *Eire* 31 Aj
Clear L., *California* 87 Bf
Clearfield, *Pennsylvania* 86 Ab
Clearwater L., *Quebec* 81 Se
Clearwater R., *Idaho* 87 Fb
Cleburne, *Texas* 84 Ge
Clermont, *Queensland* 95 Jd
Clermont-Ferrand, *France* 52 Ed
Cleveland, *Ohio* 83 Fe
Cleveland, *Tennessee* 85 Kd
Clew Bay, *Eire* 31 Ag
Clifden, *Eire* 31 Ag
Clifton, *Arizona* 84 Ee
Clifton Hills, *S. Australia* 95 Ge
Clifton Ville, *Wisconsin* 83 Bc
Clinton, *Illinois* 83 Be
Clinton, *Iowa* 85 Hc
Clinton, *Massachusetts* 86 Ea
Clinton, *Missouri* 85 Hd
Clinton, *Ontario* 83 Fd
Clinton Colden L., *N.-W.T.* 80 Kd
Clipperton I., *Pacific Ocean* 99 Qf
Clisson, *France* 52 Cc
Cliza, *Bolivia* 90 Dg
Clonakilty & B., *Eire* 31 Bj
Cloncurry, *Queensland* 95 Hd
Clones, *Eire* 31 Cf
Clonmel, *Eire* 31 Bh
Clorinda, *Argentina* 92 Ec
Cloud Pk., *Wyoming* 84 Ec
Clovis, *New Mexico* 84 Fe
Cluj, *Rumania* 56 Da
Clusone, *Italy* 54 Bc
Clyde, *New Zealand* 93 Bf
Clyde, *N.-W. Terr.* 81 Tb
Clyde, Firth of, *Scotland* 30 De
Clyde Inlet, *N.-W. Terr.* 81 Tb
Clyde R., *Scotland* 30 Ee
Coahuila, state, *Mexico* 88 Db
Coalcoman, *Mexico* 88 Dd
Coamo, *Puerto Rico* 89 Fc
Coari, *Brazil* 90 Ed
Coast Mts., *Brit. Columbia* 80 Ff
Coast Ra., *Oregon, etc.* 80 Gh
Coatbridge, *Scotland* 30 Ee
Coatepec, *Mexico* 88 Ed
Coatepeque, *Guatemala* 88 Fe
Coatesville, *Pennsylvania* 86 Cc
Coaticook, *Quebec* 83 Lc
Coats I., *N.-W. Terr.* 81 Qd
Coats Ld., *Antarctica* 100 Bb
Coatzacoalcos, *Mexico* 88 Fd
Cobalt, *Ontario* 83 Gb
Coban, *Guatemala* 88 Fd
Cobar, *New S. Wales* 95 Jf
Cobb, Mt., *New Zealand* 93 Dd
Cobequid Mts., *Nova Scotia* 82 Fd
Cobh, *Eire* 31 Bj
Cobija, *Bolivia* 90 Df
Cobleskill, *New York* 83 Jd
Coboconk, *Ontario* 83 Gc
Cobourg, *Ontario* 83 Gd
Cobourg Pen., *N. Terr., Australia* 94 Fb
Cobre, El, *Cuba* 89 Dc
Coburg, *Germany* 48 Dc
Coburg I., *N.-W. Terr.* 81 Ra
Cocahacra, *Peru* 90 Cg
Cocamá, *Peru* 90 Cf
Cochabamba, *Bolivia* 90 Dg
Cochin, *India* 68 Eg
Cochin China, *S. Vietnam* 67 Dd
Cochinoca, *Argentina* 92 Cb
Cochrane, *Ontario* 81 Qg
Cochrane, L., *Chile-Argent.* 92 Bg
Cockburn, *S. Australia* 95 Hf
Cockburn, Can., *Chile* 92 Bh
Cockburn I., *Ontario* 83 Ec
Coco, I. del, *Pacific Ocean* 99 Sg
Cocos Is., *Indian Ocean* 96 Hf
Cocula, *Mexico* 88 Dc
Cocumbi, *Angola* 76 Dg
Cocuy, *Colombia* 90 Cb
Cod, C., *Massachusetts* 86 Ea
Codajas, *Brazil* 90 Ed
Codfish I., *New Zealand* 93 Ag
Codó, *Brazil* 91 Jd
Codroy Pond, *Newfoundland* 82 Jb
Cod's Hd., *Eire* 31 Aj
Coe Hill, *Ontario* 83 Hc
Coen, *Queensland* 95 Hb
Cœur d'Alene, *Idaho* 87 Eb
Coevorden, *Netherlands* 44 Eb
Coeymans, *New York* 86 Da
Coffeyville, *Kansas* 84 Gd
Coff's Harbour, *N.S.W.* 95 Kf
Cognac, *France* 52 Cd
Cogolludo, *Spain* 50 Db
Cohoes, *New York* 86 Da
Coiba, I., *Panama* 89 Ce
Coihaique, *Chile* 92 Bg
Coimbatore, *India* 68 Ef
Coimbra, *Portugal* 50 Ab
Coin, *Spain* 50 Cd
Coire. See Chur
Cojimies, *Ecuador* 90 Ac
Colac, *Victoria, Australia* 95 Hg
Colair L., *India* 68 Fe
Colbeck Arch., *Antarctica* 100 Fc
Colcha, *Bolivia* 90 Dh
Colchester, *England* 31 Hj
Colebrook, *New Hampshire* 83 Lc
Coleman, *Alberta* 80 Jg
Colemerik. See Hakkâri
Coleraine, *N. Ireland* 30 Ce
Coleridge, L., *New Zealand* 93 Ce
Colgong, *India* 71 Fc
Colhué Huapi, L., *Argentina* 92 Cg
Colima & state, *Mexico* 88 Db
Colinas, *Brazil* 91 Je
Coll, I., *Scotland* 30 Cd
Collahuasi, *Chile* 92 Cb
Collie, W. *Australia* 94 Cf
Collier B., *W. Australia* 94 Dc
Collines-de-Normandie, *France* 52 Cb
Collingwood, *Ontario* 83 Fc
Collingwood, *Queensland* 95 Hd
Collinsville, *Queensland* 95 Jd
Collo, *Algeria* 78 Ga
Colmar, *France* 52 Gb
Colmars, *France* 53 Gd
Colmena, *Argentina* 92 Dc
Colmenar, *Spain* 50 Cd
Colmenar de Oreja, *Spain* 50 Db
Colmenar Viejo, *Spain* 50 Db
Colne R., *England* 31 Hj
Cologne, *Germany* 48 Bc
Colomb-Bechar, *Algeria* 78 Eb
Colombia, *Brazil* 91 Hh
Colombia, rep., *S. America* 90 Cc
Colombier, *Switzerland* 45 Bb
Colombo, *Ceylon* 68 Eg
Colon, *Argentina* 92 Ed
Colon, *Argentina* 92 Dd
Colon, *Cuba* 89 Cb
Colon, *Panama* 89 De
Colon, *Venezuela* 90 Cb
Colonelganj, *India* 71 Cb
Colonia, *Uruguay* 92 Ed
Colonia Alvear, *Argentina* 92 Cd
Colonsay I., *Scotland* 30 Cd
Colorado, state, *U.S.A.* 84 Ed
Colorado Des., *California* 87 Eh
Colorado Plat., *Arizona* 84 Dd
Colorado, R., *Argentina* 92 De
Colorado R., *Texas* 84 Gf
Colorado R., *U.S.A.* 84 Dd
Colorados, Arch. de los, *Cuba* 89 Cb
Colorado Springs, *Colorado* 84 Fd
Colotlan, *Mexico* 88 Dc
Colpoy B., *Ontario* 83 Fc
Colquechaca, *Bolivia* 90 Dg
Colton, *California* 87 Eh
Columbia, *Indiana* 83 De
Columbia, *Mississippi* 85 Je
Columbia, *Missouri* 85 Hd
Columbia, *Pennsylvania* 86 Bb
Columbia, S. *Carolina* 85 Ke
Columbia C., *Canada* 39 Qa
Columbia, Mt., *Alberta* 80 Hf
Columbia Plat., *Wash., etc.* 84 Cb
Columbia R., *Wash., etc.* 80 Gg
Columbus, *Georgia* 85 Ke
Columbus, *Indiana* 83 Df
Columbus, *Mississippi* 85 Je
Columbus, *Nebraska* 84 Gc
Columbus, *Ohio* 83 Ef
Colville L., *N.-W. Terr.* 80 Fc
Colville Ra., *New Zealand* 93 Eb
Colwyn Bay, *Wales* 31 Eg
Comacchio, & Valli di, *Italy* 54 Dc
Comalcalco, *Mexico* 88 Fd
Comana, *Rumania* 56 Fb
Comayagua, *Honduras* 89 Bd
Combarbala, *Chile* 92 Bd
Comblain, *Belgium* 44 Dd
Comeragh Mts., *Eire* 31 Bh
Comino C., *Sardinia* 55 Bo
Comiso, *Sicily* 55 Eg
Comitan, *Mexico* 88 Fd
Commentry, *France* 52 Ec
Commissioners L., *Quebec* 82 Bb
Commonwealth Ra., *Antarc.* 100 Na
Como, *Italy* 54 Bc
Como, L. di, *Italy* 54 Bc
Comodoro Rivadavia, *Argentina* 92 Cg
Comondu, *Mexico* 88 Bb
Comores, Arch. des, *Ind. Oc.* 77 Jg
Comorin C., *India* 68 Eg
Compiègne, *France* 52 Eb
Comporta, *Portugal* 50 Ac
Compostela, *Mexico* 88 Dc
Conakry, *Guinea* 78 Cg
Conceicao do Araguaya, *Braz.* 91 He
Concepción, *Argentina* 92 Ec
Concepción, *Bolivia* 90 Df
Concepción, *Chile* 92 Be
Concepción, *Paraguay* 92 Eb
Concepción, Rio de la, *Mex.* 88 Ba
Concepción del Oro, *Mex.* 88 Dc
Concepción del Uruguay, *Argentina* 92 Ed
Conception B., *Nfd.* 81 Wg
Conception I., *Bahama Is.* 89 Db
Conception, Pt., *California* 84 Be
Conchas Res., *New Mexico* 84 Fd
Conchi, *Chile* 92 Cb
Concord, *Massachusetts* 86 Ea
Concord, *New Hampshire* 86 Ea
Concordia, *Argentina* 92 Ed
Concordia, *Chile* 92 Ba
Concordia, *Kansas* 84 Gd
Concordia, *Mexico* 88 Cc
Condobolin, *N.S. Wales* 95 Jf
Condom, *France* 53 De
Condor, Cord. del, *Peru* 90 Bd
Conemaugh, *Pennsylvania* 86 Ab
Conesa, *Argentina* 92 Df
Coney I., *New York* 86 Db
Confolens, *France* 52 Dc
Congo R., *Congo* 76 De
Congo (French), *Cent. Africa* 76 Dd
Congo Rep., *Cent. Africa* 76 Ee
Coniston, *England* 31 Ef
Conn L., *Eire* 31 Af
Connacht, prov., *Eire* 31 Ag
Connecticut R., *Verm., etc.* 86 Da
Connecticut, state, *U.S.A.* 85 Mc
Connellsville, *Pennsylvania* 86 Ab
Connemara, Mts. of, *Eire* 31 Ag
Connors, *New Brunswick* 82 Dc
Conselheiro Lafaiete, *Brazil* 91 Jh
Conshohocken, *Penn.* 86 Cb
Constance. See Konstanz
Constance, L. See Boden See
Constancia do Baetas, *Brazil* 90 Ee
Constanţa, *Rumania* 56 Gb
Constantine, *Algeria* 78 Ga
Constitucion, *Chile* 92 Be
Consuegra, *Spain* 50 Dc
Contamana, *Peru* 90 Ce
Conthey, *Switzerland* 45 Cb
Contreras, I., *Chile* 92 Ah
Contwoyto L., *N.-W. Terr.* 80 Jc
Convención, *Colombia* 90 Cb
Conway, *New Hampshire* 83 Lc
Conway, *Wales* 31 Eg
Coober Pedy, *S. Australia* 95 Fe
Cooch Behar, *India* 71 Gb
Cook, B. de, *Chile* 92 Bj
Cook Inl., *Alaska* 85 Xm
Cook Is., *Pacific Ocean* 98 Jj
Cook, Mt., *New Zealand* 93 Ce
Cook Str., *New Zealand* 93 Ed
Cook's Passage, *Queensland* 95 Jb
Cookshire, *Quebec* 83 Lc
Cooktown, *Queensland* 95 Jc
Coolgardie, *W. Australia* 94 Df
Cooma, *New South Wales* 95 Jg
Coonamble, *N.S.W.* 95 Jf
Coondiwindi, *Queensland* 95 Ke
Coonor, *India* 68 Ef
Coopers Cr., *S. Australia* 95 Ge
Cooperstown, *New York* 86 Ca
Cooroy, *Queensland* 95 Ke
Coos Bay, *Oregon* 87 Ad
Cootamundra, *N.S. Wales* 95 Jf
Cootehill, *Eire* 31 Cf
Copenhagen, *Denmark* 47 Ei
Copetonas, *Argentina* 92 De
Copiapo, *Chile* 92 Bc
Coporaque, *Peru* 90 Cf
Copper Cliff, *Ontario* 83 Fb
Coppermine, *N.-W. Terr.* 80 Hc
Coppermine R., *N.-W. Terr.* 80 Hc
Coppet, *Switzerland* 45 Bb
Coquar, *Quebec* 83 Ja
Coquilhatville, *Congo* 76 Dd
Coquimbo & B. de, *Chile* 92 Bc
Corabia, *Rumania* 56 Ec
Coraçoes, *Brazil* 91 Hh
Corato, *Italy* 55 Fe
Corcaigh. See Cork
Corcovado, G. del, *Chile* 92 Bf
Corcovado, Mt., *Chile* 92 Bf
Corcubión, *Spain* 50 Aa
Córdoba, *Mexico* 88 Ed
Córdoba, *Spain* 50 Cd
Córdoba & Sa. de, *Argentina* 92 Dd
Cordova, *Alaska* 85 Yl
Córdova, *Peru* 90 Cf
Corfu. See Kérkira
Corfu, Str. of, *Greece* 57 Ce
Coria, *Spain* 50 Bb
Corigliano Calabro, *Italy* 55 Ff
Coringa, *India* 69 Fe
Corinth. See Korinthos
Corinth, *Mississippi* 85 Je
Corinth, *New York* 86 Da
Corinto, *Brazil* 91 Jg
Corinto, *Nicaragua* 89 Bd
Coristine, *Ontario* 83 Gb
Cork & co., *Eire* 31 Bj
Cork Harb., *Eire* 31 Bj
Corleone, *Sicily* 55 Dg
Corner Brook, *Nfd.* 82 Jb
Corning, *New York* 86 Ba
Cornwall, *New York* 86 Cb
Cornwall, *Ontario* 83 Jc
Cornwall, co., *England* 31 Dk
Coro, *Venezuela* 90 Da
Coroata, *Brazil* 91 Jd
Corocoro, *Bolivia* 90 Dg
Coroico, *Bolivia* 90 Dg
Coromandel Ra., *N. Zealand* 93 Eb
Coronada, B., *Costa Rica* 89 Ce
Coronation G., *N.-W. Terr.* 80 Jc
Coronation I., *Antarctica* 100 Tc
Coronel, *Chile* 92 Be
Coronel Pringles, *Argentina* 92 De
Coronel Suarez, *Argentina* 92 De
Coronie, *Surinam* 91 Fb
Coropuna, Mt., *Peru* 90 Cg
Corozal, *Brit. Honduras* 98 Bc
Corpen Aike, *Argentina* 92 Cg
Corpus Christi, *Texas* 84 Gl
Corque, *Bolivia* 90 Dg
Corrales, *Uruguay* 92 Ed
Corralitos, *Mexico* 88 Ca
Corregidor, I., *Philippines* 63 Hh
Corrèze, dep., *France* 53 Dd
Corrib L., *Eire* 31 Ag
Corrientes, *Argentina* 92 Ec
Corrientes, C., *Argentina* 92 Ee
Corrientes, C., *Mexico* 88 Cc
Corrigin, *W. Australia* 94 Cf
Corry, *Pennsylvania* 86 Ab
Corse, I., *France* 54 Bd
Corsewall Pt., *Scotland* 30 De
Corsica. See Corse
Corsicana, *Texas* 84 Ge
Cortes, G. de, *Cuba* 89 Cb
Cortessem, *Belgium* 44 Dd
Cortland, *New York* 86 Ba
Cortona, *Italy* 54 Dd
Coruche, *Portugal* 50 Ac
Coruh, R., *Turkey* 72 Da
Corum, *Turkey* 72 Ca
Corumba, *Brazil* 91 Fg
Corunna. See La Coruña
Corvallis, *Oregon* 87 Bc
Corwen, *Wales* 31 Eh
Corwin, *Alaska* 85 Wl
Cosalo, *Mexico* 88 Cc
Coscurita, *Spain* 51 Db
Coseguina, Vol., *Nicaragua* 89 Bd
Cosenza, *Italy* 55 Ff
Cosquin, *Argentina* 92 Dd
Cossonay, *Switzerland* 45 Bb
Costa Brava, *Spain* 51 Gb
Costa Rica, rep., *Central America* 89 Cd
Costermansville. See Bukavu
Cotabato, *Philippines* 63 Hj
Cotagaita, *Bolivia* 90 Dh
Cotahuasi, *Peru* 90 Cg
Côte-d'Or, dep., *France* 52 Fc
Côtes-du-Nord, dep., *Fr.* 52 Bb
Cotonou, *Dahomey* 78 Fg
Cotswold Hills, *England* 31 Fj
Cottbus, *Germany* 48 Fc
Cottica, *Surinam* 91 Gc
Coudersport, *Pennsylvania* 86 Bb
Coudres, I. aux, *Quebec* 83 Lb
Coulman, I., *Antarctica* 100 Lb
Council Bluffs, *Iowa* 84 Gc
Courantyne R., *Guyana etc.* 91 Fc
Couronne C., *France* 53 Fe
Courtenay, *B.C.* 80 Gg
Courtmacsherry, *Eire* 31 Bj
Courtrai, *Belgium* 44 Bd
Court St Etienne, *Belgium* 44 Cd
Couta Magalhães, *Brazil* 91 He
Couterne, *France* 52 Cb
Couthuin, *Belgium* 44 Dd
Couvin, *Belgium* 44 Cd
Covenas, *Colombia* 90 Bb
Coventry, *England* 31 Fh
Covilhã, *Portugal* 50 Bb
Covington, *Kentucky* 83 Df
Covington, *Virginia* 85 Ld
Cowan, L., *W. Australia* 94 Df
Cowdenbeath, *Scotland* 30 Ed
Cowell, *S. Australia* 95 Gf
Cowen, Mt., *Montana* 80 Jg
Cowes, *I. of W., England* 31 Gk
Cowra, *New South Wales* 95 Jf
Coxsackie, *New York* 86 Da
Cox's Bazar, *E. Pakistan* 69 Hd
Coyame, *Mexico* 88 Cb
Coyuca, *Mexico* 88 Dd
Cozumel, *Mexico* 88 Gc
Cozumel, I., *Mexico* 88 Gc
Cracow. See Krakow
Craiova, *Rumania* 56 Db
Cranbrook, *Brit. Columbia* 80 Hg
Crandon, *Wisconsin* 83 Bc
Crans, *Switzerland* 45 Cb
Crater L., *Oregon* 87 Bd
Crater Lake Nat. Park, *Oregon* 87 Bd
Crateus, *Brazil* 91 Je
Crato, *Brazil* 90 Ee
Crato, *Brazil* 91 Ke
Crazy Mts., *Montana* 84 Db
Cree L., *Saskatchewan* 80 Ke
Cree R., *Saskatchewan* 80 Ke
Cremona, *Italy* 54 Cc
Cres, I., *Yugoslavia* 54 Ec
Crest, *Quebec* 83 Gb
Cresta, *Switzerland* 45 Eb
Creston, *Iowa* 85 Hc
Cresswell B., *N.-W. Terr.* 81 Nb
Crete. See Kríti
Crete, Sea of, *Greece* 57 Eg
Creuse, dep., *France* 52 Dc
Creusot, le, *France* 52 Fc
Crewe, *England* 31 Fg
Crieff, *Scotland* 30 Ed
Crimea, pen., *Russia* 60 Hj
Crimmitschau, *Germany* 48 Ec
Crisana, *Rumania* 56 Ca
Cristobal, *Panama* 89 De
CrnaGora, *Yugoslavia* 56 Bc
Croisic, le, *France* 52 Bc
Croker I., *N. Terr., Aust.* 94 Fb
Cromarty, *Scotland* 30 Ec
Cromer, *England* 31 Hh
Cromwell, *New Zealand* 93 Bf
Crooked I., *Bahama Is.* 89 Eb
Crooked Island Pass. *Bahama Is.* 89 Eb
Cross Fell, *England* 31 Ff
Crotone, *Italy* 55 Ff
Crown Prince Olav Land, *Antarctica* 100 Ec
Crown Princess Martha Ld., *Antarctica* 100 Bb
Crows Nest Pass, *Alberta* 80 Jg
Croydon, *England* 31 Gj
Croydon, *Queensland* 95 Hc
Crozet Is., *Indian Ocean* 96 Dj
Crozier, C., *Antarctica* 100 Lb
Cruz, *Utah* 87 Gf
Cruz Alta, *Argentina* 92 Dd
Cruz Alta, *Brazil* 92 Fc
Cruz del Eje, *Argentina* 92 Dd
Cruzeiro do Sul, *Brazil* 90 Ce
Cruz Grande, *Chile* 92 Bc
Cruz Grande, *Mexico* 88 Ed
Crystal Falls, *Michigan* 83 Bb
Cuangar, *Angola* 75 Bc
Cuango, *Angola* 76 Df
Cuanza R., *Angola* 76 Cf
Cuatro Cienegas, *Mexico* 88 Db
Cuba, *New York* 83 Gd
Cuba, *Portugal* 50 Bc
Cuba, I., *Caribbean S.* 89 Cb
Cuchi, *Angola* 76 Dg
Cuchillo-Co, *Argentina* 92 De
Cuchillo Parado, *Mexico* 88 Cb
Cucuta, *Colombia* 90 Cb
Cudahy, *Wisconsin* 83 Cd
Cuddalore, *India* 68 Ef
Cuddap

Cuevo, *Bolivia* 90 Eh
Cuglieri, *Sardinia* 55 Be
Cuiabá, *Brazil* 90 Fe
Cuiabá, *Brazil* 91 Fg
Cuicuina, *Nicaragua* 89 Cd
Cuillin Hills, *Scotland* 30 Cc
Cuiña, P. de, *Spain* 50 Ba
Cuito Cuanavale, *Angola* 75 Bc
Culcairn, *N.S.W.* 95 Jg
Culebra, I., *West Indies* 89 Fc
Culgoa, R., *Qnsld.-N.S.W.* 95 Je
Culiacán, *Mexico* 88 Cc
Cullera, *Spain* 51 Ec
Cully, *Switzerland* 45 Bb
Culmi, *Honduras* 89 Bc
Culverden, *New Zealand* 93 De
Cumana, *Venezuela* 90 Ea
Cumaria, *Peru* 90 Ce
Cumberland, *Brit. Columbia* 80 Fg
Cumberland, *Maryland* 86 Ac
Cumberland, co., *England* 31 Ef
Cumberland Pen., *N.-W. Territories* 81 Tc
Cumberland R., *Ky.-Tenn.* 85 Jd
Cumberland Sd., *North-West Territories* 81 Tc
Cumbrian Mts., *England* 31 Ef
Cumbum, *India* 68 Ee
Cummins, *S. Australia* 95 Gf
Cumpas, *Mexico* 88 Ca
Cumuripa, *Mexico* 88 Cb
Cunene R., *Angola* 75 Ac
Cuneo, *Italy* 54 Ac
Cunnamulla, *Queensland* 95 Je
Cupar, *Scotland* 30 Ed
Cuprija, *Yugoslavia* 56 Cc
Cura, *Venezuela* 90 Da
Curaça, *Brazil* 91 Ke
Curaçao, I., *Caribbean Sea* 90 Da
Curaglia, *Switzerland* 45 Db
Curiapo, *Venezuela* 90 Eb
Curico, *Chile* 92 Bd
Curiplaya, *Colombia* 90 Cc
Curitiba, *Brazil* 92 Gc
Curitibanos, *Brazil* 92 Fc
Currais Novos, *Brazil* 91 Ke
Curralinho, *Brazil* 91 Hd
Curtis, I., *Pacific Ocean* 98 Hl
Curuay, L., Gde. do, *Brazil* 91 Fd
Curuca, *Brazil* 91 Hd
Curuzú Cuatia, *Argentina* 92 Ec
Curwensville, *Pennsylvania* 86 Ab
Cuttack, *India* 69 Gd
Cuxhaven, *Germany* 48 Cb
Cuzco, *Peru* 90 Cf
Cycládes. See Kikladhes
Cyprus, I., *Medit. Sea* 74 Bb
Cyrenaica, *Libya* 79 Kc
Cyrene. See Shahhat
Czarnkow, *Poland* 49 Gb
Czechoslovakia, *Cent. Europe* 43 Lf
Czersk, *Poland* 49 Gb
Czestochowa, *Poland* 49 Hc
Człopa, *Poland* 49 Gb
Daba, *Trucial States* 73 Gd
Dabakala, *Ivory Coast* 78 Eg
Dabaro, *Somalia* 77 Kc
Dabeiba, *Colombia* 90 Bb
Dabhoi, *India* 68 Dd
Dabie, *Poland* 48 Fb
Dabola, *Guinea* 78 Cf
Dabrowa Górnicza, *Poland* 49 Hc
Dacca, *East Pakistan* 69 Hd
Dadanawa, *Guyana* 90 Fc
Dadri, *India* 70 Ef
Daedalus Reef, *Red Sea* 72 Ce
Dagana, *Senegal* 78 Be
Dagarita, *Somalia* 77 Jb
Dagash, *Sudan* 79 Me
Dagda, *Latvia* 47 Mh
Dagupan, *Philippines* 63 Hg
Dahlak, Arch., *Eritrea* 77 Ja
Dahomey, *W. Africa* 78 Fg
Daimiel, *Spain* 50 Dc
Daireaux, *Argentina* 92 De
Dairen. See Luta
Dairut, *Egypt* 79 Mc
Daisetsuzan Nat. Park, *Japan* 66 Hc
Daishoji, *Japan* 66 Ef
Dajarra, *Queensland* 95 Gd
Dakar, *Senegal* 78 Bf
Dakovica, *Yugoslavia* 56 Cc
Dal, *Norway* 47 Df
Dalälven, *Sweden* 47 Gf
Dala, *Angola* 76 Eg
Dalan Dszadagad, *Mongolia* 62 Db
Dalat, *S. Vietnam* 67 Dd
Dalbandin, *W. Pakistan* 68 Bc
Dalbosjön, *Sweden* 47 Eg
Dalby, *Queensland* 95 Ke
Dalby, *Sweden* 47 Ef
Dalen, *Netherlands* 44 Eb
Dalen, *Norway* 47 Bg
Dalhart, *Texas* 84 Fd
Dalhousie, *India* 70 Ed
Dalhousie, *New Brunswick* 82 Eb
Dallas, *Oregon* 87 Bc
Dallas, *Texas* 84 Ge
Dalles, The, *Oregon* 87 Cc
Dalmacio Velez, *Argentina* 92 Dd
Dalmatia, *Yugoslavia* 54 Ed
Dalmatovo, *Russia* 61 Rb
Dalmau, *India* 71 Cb
Daloa, *Ivory Coast* 78 Dg
Dalrymple, Mt., *Queensland* 95 Jd
Dalton, *Ontario* 83 Ea
Daltonganj, *India* 71 Ec
Daly, R., *Northern Territory, Australia* 94 Fb
Daly Waters, *Northern Territory, Australia* 94 Fc
Daman, *India* 68 Dd
Dam, *Surinam* 91 Gc
Damanhur, *Egypt* 79 Mb
Damar, I., *Indonesia* 63 Jm
Damas, *Syria* 72 Cc
Damascus. See Damas
Damāvand, Mt., *Iran* 73 Fb
Dambacha, *Ethiopia* 77 Hb
Dambe, *Angola* 76 Df
Damghan, *Iran* 73 Fb
Damietta, *Egypt* 79 Mb
Damiya, *Jordan* 74 De
Dammam, Ad, *Arabia* 73 Fd
Damoh, *India* 71 Bd
Dampier Arch., *W. Aust.* 94 Cd
Dampier Land, *W. Australia* 94 Dc
Dampier Str., *W. Irian* 63 Kl
Damqawt, *S. Yemen* 73 Ff
Dan, C., *Greenland* 39 Nc
Dana, Mt., *California* 87 Dg
Da Nang, *S. Vietnam* 67 Dc
Danbury, *Connecticut* 86 Db
Danby, *California* 87 Fh
Dandenong, *Victoria, Aust.* 95 Hg
Danforth, *Maine* 82 Ed
Danger Pt., *Cape Province* 75 Bf
Danilov, *Russia* 60 Mb
Dankaz, *Ethiopia* 77 Hb
Danmark Fd., *Greenland* 39 Na
Dannevirke, *New Zealand* 93 Fd
Dansville, *New York* 86 Ba
Danube, R., *Cent. Europe* 43 Mg
Danville, *Illinois* 83 Ce
Danville, *Kentucky* 85 Kd
Danville, *Pennsylvania* 86 Bb
Danville, *Virginia* 85 Ld
Danzig. See Gdansk
Danzig, G. of, *Poland* 49 Ha
Daolatabad, *Afghanistan* 73 Jb
Daqq e Patargan, L., *Afghanistan-Iran* 73 Hc
Daraban Kalan, *W. Pakistan* 70 Be
Daran, *Iran* 73 Fc
Daraw, *Egypt* 79 Md
Darb, *Arabia* 72 Df
Darbhanga, *India* 71 Eb
Dardanelles, *Turkey* 72 Ab
Darende, *Turkey* 72 Cb
Dar-es-Salaam, *Tanzania* 77 Hf
Dargai, *W. Pakistan* 70 Bc
Dargaon, *India* 69 Fd
Dargaville, *New Zealand* 93 Da
Dariyah, *Arabia* 72 Ee
Darjeeling, *India* 71 Gb
Darling Ra., *W. Australia* 94 Cf
Darling, R., *New S. Wales* 95 Hf
Darling Downs, *Queensland* 95 Je
Darlington, *England* 31 Ff
Darlington, *Wisconsin* 83 Ad
Darłowo, *Poland* 49 Ga
Darmstadt, *Germany* 48 Cd
Daroca, *Spain* 51 Eb
Darreh Gaz, *Iran* 73 Gb
Dart, C., *Antarctica* 100 Pb
Dart, R., *England* 31 Ek
Dartmoor, *England* 31 Ek
Dartmouth, *England* 31 Ek
Dartmouth, *Nova Scotia* 82 Gd
Daru, I., *Papua* 95 Ha
Daruvar, *Yugoslavia* 54 Fc
Darwin, *N. Terr., Australia* 94 Fb
Darwin, Mt., *Chile* 92 Ch
Darwin, Mt., *Rhodesia* 75 Ec
Daryabad, *India* 71 Cb
Daryācheh e Baktegān, L., *Iran* 73 Fd
Daryācheh-ye-Rezā'īyeh, *Iran* 72 Eb
Dasara, *E. Pakistan* 71 Hd
Dasht Ab, *Iran* 73 Gd
Dasht R., *W. Pakistan* 68 Bc
Daska, *W. Pakistan* 70 Dd
Daspalla, *India* 69 Fd
Daspur, *India* 71 Fe
Dasuya, *India* 70 De
Dataganj, *India* 71 Ba
Datia, *India* 71 Bc
Daudnagar, *India* 71 Ec
Daugava. See Dvina
Daugavpils, *Latvia* 47 Mj
Daulatabad, *India* 68 Ed
Daulat Yar, *Afghanistan* 73 Jc
Daule, *Ecuador* 90 Ad
Dauphin, *Manitoba* 80 Lf
Dauphine, prov., *France* 53 Fd
Davao & G., *Philippines* 63 Jj
Davenport, *Iowa* 85 Hc
Davenport Ra., *Northern Territory, Australia* 95 Fd
David, *Panama* 89 Ce
Davignab, *S.-W. Africa* 75 Be
Davis Sea, *Antarctica* 100 Gc
Davis Str., *Greenland* 39 Pc
Davos Dorf, *Switzerland* 45 Eb
Davos Platz, *Switzerland* 45 Eb
Davy Sd., *Greenland* 39 Nb
Dawna Ra., *Burma, etc.* 69 Je
Dawson, *Yukon* 80 Dd
Dawson Ra., *Yukon* 80 Dd
Dawson, R., *Queensland* 95 Je
Dawson Creek, *B.C.* 80 Ge
Dax, *France* 53 Ce
Dayton, *Ohio* 83 Df
Daytona Beach, *Florida* 85 Kf
De Aar, *Cape Province* 75 Cf
Dead Sea, *Jordan-Israel* 74 Df
Deadwood, *S. Dakota* 84 Fc
Deal, *England* 31 Hj
Dean Funes, *Argentina* 92 Dd
Dease Arm, *N.-W. Territories* 80 Gc
Dease Lake, *N.-W. Territories* 80 Ee
Dease R., *Brit. Columbia* 80 Fe
Dease Str., *N.-W. Terr.* 80 Kc
Death Valley, *California* 87 Eg
Deauville, *France* 52 Cb
Debar, *Yugoslavia* 56 Cd
Debec, *New Brunswick* 82 Ec
Debesy, *Russia* 61 Lb
Debica, *Poland* 49 Jc
Deblin, *Poland* 49 Jc
Debno, *Poland* 48 Fb
Debra Markos, *Ethiopia* 77 Hb
Debrecen, *Hungary* 49 Je
Decatur, *Alabama* 85 Je
Decatur, *Illinois* 83 Bf
Deccan, *India* 68 Ef
Deception, I., *S. Shetlands* 100 Sc
Děčin, *Czechoslovakia* 48 Fc
Decize, *France* 52 Ec
Dedeagach. See Alexandroúpolis
Dedham, *Massachusetts* 86 Ea
Dédougou, *Upper Volta* 78 Ef
Dedza, *Malawi* 77 Gg
Dee R., *Scotland* 30 Fc
Dee R., *Wales* 31 Eg
Deep Creek L., *Maryland* 86 Ac
Deer I., *Maine* 82 Dd
Deer Lake, *Newfoundland* 82 Kb
Deer Lodge, *Montana* 87 Gb
Deerlyck, *Belgium* 44 Bd
Deesa, *India* 68 Da
Defferrari, *Argentina* 92 Ee
Degana, *India* 68 Dc
Degerfors, *Sweden* 46 Hd
De Gerlache Straits, *Antarctica* 100 Sc
De Grey, R., *W. Australia* 94 Cd
Deh Bid, *Iran* 73 Fc
Dehdez, *Iran* 73 Fc
Dehra Dun, *India* 70 Fe
Dehrud, *Iran* 73 Fd
Deim Zubeir, *Sudan* 79 Lg
Deir Abu Said, *Jordan* 74 De
Deir 'Ali, *Syria* 74 Ed
Deir Atiye, *Syria* 74 Ec
Deir ez Zor, *Syria* 72 Cb
Deir Hafir, *Syria* 74 Fa
Deir Shemil, *Syria* 74 Eb
Déj, *Rumania* 49 Ke
De Jong's Pt., *W. Irian* 63 Lm
Dekalb, *Illinois* 83 Be
De Kastri, *Russia* 59 Pc
Delano Pk., *Utah* 84 Dd
Delavan, *Wisconsin* 83 Bd
Delaware, *Ohio* 83 Ee
Delaware, state, *U.S.A.* 85 Ld
Delaware B., *Del.-N.J.* 86 Cc
Delaware R., *New Jersey, etc.* 86 Cb
Delaware City, *Delaware* 86 Cc
Delden, *Netherlands* 44 Eb
Deleitosa, *Spain* 50 Cc
De Lemmer, *Netherlands* 44 Db
Delémont, *Switzerland* 45 Ca
Delfshaven, *Netherlands* 44 Cc
Delft, *Netherlands* 44 Cb
Delfzijl, *Netherlands* 44 Ea
Delger, *Mongolia* 62 Fa
Delgo, *Sudan* 79 Md
Delhi, *India* 68 Ec
Delhi, *New York* 86 Ca
Dellenbaugh, Mt., *Arizona* 87 Gg
Dellys, *Algeria* 78 Fa
Delmenhorst, *Germany* 48 Cb
Delta, *Pennsylvania* 86 Bc
Demanda, Sa. de la, *Spain* 50 Da
Demchok, *Tibet* 68 Eb
Deming, *New Mexico* 84 Ee
Demmin, *Germany* 48 Eb
Denbigh & co., *Wales* 31 Eg
Denderleeuw, *Belgium* 44 Cd
Dendermonde, *Belgium* 44 Cc
Dendi, Mt., *Ethiopia* 77 Hc
Denekamp, *Netherlands* 44 Eb
Den Helder, *Netherlands* 44 Cb
Denia, *Spain* 51 Fc
Deniliquin, *New S. Wales* 95 Jg
Denison, *Texas* 84 Ge
Denizli, *Turkey* 72 Ab
Denmark, kingdom, *W.-Eur.* 47 Cj
Denmark Str., *Greenland, etc* 39 Nc
Den Oever, *Netherlands* 44 Db
Dent Blanche, Mt., *Switz.* 45 Cb
Denton, *Maryland* 83 Jf
Denton, *Texas* 84 Ge
D'Entrecasteaux Is., *Papua* 95 Ka
D'Entrecasteaux Pt., *W. Aust.* 94 Cf
Denver, *Colorado* 84 Fd
Deoband, *India* 70 Ef
Deobhog, *India* 69 Fd
Deogarh, *India* 69 Fd
Deoghar, *India* 71 Fc
Deoli, *India* 68 Ec
Deolia, *India* 68 Dd
Deori, *India* 71 Bd
De Panne, *Belgium* 44 Ac
De Pere, *Wisconsin* 83 Bc
Deposit, *New York* 83 Jd
Depot Harbour, *Ontario* 83 Fc
Dera, *Syria* 74 Ee
Dera Bugti, *W. Pakistan* 68 Cc
Dera Ghazi Khan, *W. Pakistan* 70 Be
Dera Ismail Khan, *W. Pakistan* 70 Be
Dera Nanak, *India* 70 Dd
Derbent, *Russia* 58 Dd
Derby, *W. Australia* 94 Dc
Derby & co., *England* 31 Fh
Derecske, *Hungary* 49 Je
Derg L., *Eire* 31 Bf
Derg L., *Eire* 31 Bh
De Rijp, *Netherlands* 44 Cb
De Ruyter, *New York* 86 Ca
Derna, *Libya* 79 Kb
Dernberg C., *S.-W. Africa* 75 Be
Derravaragh L., *Eire* 31 Cg
Derudeb, *Sudan* 79 Ne
Derventa, *Yugoslavia* 54 Gc
Derwent Water, *England* 31 Ef
Descalvados, *Brazil* 91 Fg
Deschaillons, *Quebec* 83 Kb
Deschambault, L., *Sask.* 80 Kf
Deseado, R., *Argentina* 92 Cg
Des Moines & R., *Iowa* 85 Hc
Desna, R., *Ukraine* 60 Gf
Desolacion, I., *Chile* 92 Bh
Desolation C., *Greenland* 39 Pc
Dessau, *Germany* 48 Ec
Deta, *Rumania* 56 Cb
Detroit, *Michigan* 83 Ed
Dett, *Rhodesia* 75 Dc
Deurne, *Netherlands* 44 Dc
Deux Rivières, *Ontario* 83 Gb
Deux-Sèvres, dep., *France* 52 Cc
Déva, *Rumania* 56 Db
Dévávanya, *Hungary* 56 Ca
Deventer, *Netherlands* 44 Eb
Deveron R., *Scotland* 30 Fc
Devils Lake, *N. Dakota* 84 Gb
Devin, *Bulgaria* 56 Ed
Devizes, *England* 31 Fj
Devon, co., *England* 31 Ek
Devon I., *N.-W. Territories* 81 Pa
Devonport, *England* 31 Ek
Devonport, *New Zealand* 93 Eb
Devonport, *Tasmania* 95 Jh
Dewangiri, *Bhutan* 69 Hc
Dexter, *Maine* 82 Dd
Deyhuk, *Iran* 73 Gc
Deynze, *Belgium* 44 Bd
Dezful, *Iran* 72 Ec
Dhaba, *Arabia* 72 Cd
Dhahran, *Arabia* 72 Fd
Dhak, *W. Pakistan* 70 Cd
Dhala, *S. Yemen* 72 Dg
Dhamār, *Yemen* 72 Dg
Dhampur, *India* 71 Ba
Dhamra, *India* 69 Gd
Dhamtari, *India* 68 Fd
Dhang Ra., *Nepal* 71 Ca
Dhangain, *India* 71 Ec
Dhankuta, *Nepal* 71 Fb
Dhariya, *Arabia* 72 De
Dharmjaygarh, *India* 71 Dd
Dharmkot, *India* 70 De
Dharmsala, *India* 70 Ed
Dharwar, *India* 68 Ee
Dhaulagiri, Mt., *Nepal* 71 Da
Dhayd, *Trucial States* 73 Gd
Dhiban, *Jordan* 74 Df
Dhidhimótikhon, *Greece* 56 Fd
Dhionisiadhes. See Yianisadhes Is.
Dhirang Jong, *India* 69 Hc
Dholera, *India* 68 Dd
Dholpur, *India* 71 Ab
Dhond, *India* 68 De
Dhubri, *India* 71 Hb
Dhula, *S. Yemen* 72 Ef
Dhulia, *India* 68 Dd
Dhurma, *Arabia* 72 Ee
Dhurwai, *India* 71 Bc
Dia I., *Crete* 57 Eg
Diamante, *Argentina* 92 Dd
Diamantina, *Brazil* 91 Jg
Diamantina, R., *Queensland* 95 Hd
Diamantino, *Brazil* 91 Ff
Diamond, I., *Burma* 69 He
Diamond Harbour, *India* 71 Gd
Dianópolis, *Brazil* 91 Hf
Dibbah, Jebel, *Arabia* 72 Cd
Dibbéla, *Niger* 79 He
Dibrugarh, *India* 69 Hc
Dickinson, *N. Dakota* 84 Fb
Die, *France* 53 Fd
Dien Bien Phu, *N. Vietnam* 67 Cb
Dieppe, *France* 52 Db
Diest, *Belgium* 44 Dd
Dieverbrug, *Netherlands* 44 Eb
Dig, *India* 70 Eg
Digby, *Nova Scotia* 82 Fd
Digby Neck, *Nova Scotia* 82 Ed
Dighal, *S. Yemen* 72 Eg
Digne, *France* 53 Gd
Digoel, R., *New Guinea* 63 Lm
Digoin, *France* 52 Ec
Dijon, *France* 52 Fc
Diksmuide, *Belgium* 44 Ac
Dikwa, *Nigeria* 79 Hf
Dilam, *Arabia* 72 Ee
Dili, *Timor I., Indonesia* 63 Jm
Dillon, *Montana* 87 Gc
Dilloo, *Angola* 76 Eg
Dilos, *Greece* 57 Ef
Dimbokro, *Ivory Coast* 78 Eg
Dimgarpur, *India* 68 Dd
Dimitrovgrad, *Yugoslavia* 56 Dc
Dimla, *E. Pakistan* 71 Gb
Dimona, *Israel* 74 Df
Dimotika. See Dhidhimótikhon
Dinagat, I., *Philippines* 63 Jh
Dinajpur, *E. Pakistan* 71 Gc
Dinan, *France* 52 Bb
Dinanagar, *India* 70 Dd
Dinant, *Belgium* 44 Cd
Dinapore, *India* 71 Ec
Dinar, *Turkey* 72 Bb
Dinard, *France* 52 Bb
Dinarske Planina, *Yugoslavia* 54 Fc
Dindigul, *India* 68 Ef
Dingle & B., *Eire* 31 Ah
Dingwall, *Scotland* 30 Dc
Dinteloord, *Netherlands* 44 Cc
Diourbel, *Senegal* 78 Bf
Dipalpur, *W. Pakistan* 70 Ce
Dipton, *New Zealand* 93 Bf
Dir, *W. Pakistan* 70 Bc
Direction, C., *Queensland* 95 Hb
Diredawe, *Ethiopia* 77 Jc
Diriamba, *Nicaragua* 89 Bd
Dirjaj, *S. Yemen* 72 Eg
Dirk Hartogs I., *W. Aust.* 94 Be
Dirksland, *Netherlands* 44 Cc
Dirranbandi, *Queensland* 95 Je
Disappointment, C., *Wash.* 87 Ab
Disappointment Is., *Tuamotu Arch.* 99 Lj
Disappointment, L., *W. Aust.* 94 Dd
Disentis, *Switzerland* 45 Db
Disko B., *Greenland* 39 Pc
Disko, I., *Greenland* 39 Pc
Disna, *Belorussia* 60 Fd
Dison, *Belgium* 44 Dd
Diu, *India* 68 Dd
Diver, *Ontario* 83 Gb
Diviso, *Colombia* 90 Bc
Divrigi, *Turkey* 72 Cb
Diwaniyah, *Iraq* 72 Dc
Dix, *Quebec* 83 Ha
Dixmude, *Belgium* 44 Ac
Dixon, *Illinois* 83 Be
Dixon Entrance, *B.C.* 80 Ef
Diyarbakir, *Turkey* 72 Db
Dizah, *Iran* 73 Hd
Djakarta, *Java* 63 Em
Djambi, *Sumatra* 63 Dl
Djelfa, *Algeria* 78 Fb
Djeneien, *Tunisia* 79 Gb
Djerba, I., *Tunisia* 79 Hb
Djibouti, *Fr. Somaliland* 77 Jb
Djidjelh, *Algeria* 78 Ga
Djolu, *Congo* 76 Ed
Djougou, *Dahomey* 78 Fg
Djursholm, *Sweden* 47 Gg
Dmitriya Lapteva, Proliv, *Russia* 59 Pa
Dnepr R., *Ukraine* 60 Gf
Dneprodzerzhinsk, *Ukraine* 60 Jg
Dnepropetrovsk, *Ukraine* 60 Jg
Dnestr, R., *Ukraine* 60 Fh
Dnieper R. See Dnepr, R.
Dniester R. See Dnestr, R.
Doaktown, *New Brunswick* 82 Ec
Dobbyn, *Queensland* 95 Hc
Dobele, *Latvia* 47 Kh
Doberan, *Germany* 48 Da
Dobra, *Czechoslovakia* 49 Jd
Dobřany, *Czechoslovakia* 48 Ed
Dobrich. See Tolbukhin
Dobruja, *Rumania* 56 Gb
Dobryanski, *Russia* 61 Na
Dobrzyn, *Poland* 49 Hb
Doce Leguas, Cayos de las, *Cuba* 89 Db
Doctor Arroyo, *Mexico* 88 Dc
Dodecanese, *Greece* 57 Ff
Dodge City, *Kansas* 84 Fd
Dodgeville, *Wisconsin* 83 Ad
Dodman Pt., *England* 31 Dk
Dodoma, *Tanzania* 77 Hf
Doel, *Belgium* 44 Cc
Doesburg, *Netherlands* 44 Eb
Doetinchem, *Netherlands* 44 Ec
Dogger Bank, *North Sea* 42 He
Doha, *Qatar, Persian Gulf* 73 Fd
Dohad, *India* 68 Dd
Doka, *Arabia* 72 Df
Dokka, *Yemen* 72 Dg
Dokkum, *Netherlands* 44 Ea
Dol, *France* 52 Cb
Dolbeau, *Quebec* 82 Bb
Dolcigno. See Ulcinj
Dôle, *France* 52 Fc
Dolent, Mt., *Switzerland* 45 Cc
Dolgellau, *Wales* 36 Gc
Dolo, *Ethiopia* 77 Jd
Dolomitiche, Alpi, *Italy* 54 Cb
Dolores, *Argentina* 92 Ee
Dolores, *Mexico* 88 Bb
Dolores, *Spain* 51 Ec
Dolphin, C., *Falkland Is.* 92 Eh
Dolunnor. See Tolun
Dom, Mt., *W. Irian* 63 Ll
Domariaganj, *India* 71 Db
Domburg, *Netherlands* 44 Bc
Domel, I., *Burma* 69 Jf
Dome Rock Mts., *Arizona* 87 Fj
Domfront, *France* 52 Cb
Dominica, I., *West Indies* 89 Gc
Dominican Rep., *W. Indies* 89 Ec
Domira Bay, *Malawi* 77 Gg
Dömitz, *Germany* 48 Db
Dom Pedrito, *Brazil* 92 Fd
Domuyo, Mt., *Argentina* 92 Be
Domvraina, *Greece* 57 De
Don, R., *Russia* 58 Cc
Don R., *Scotland* 30 Ec
Donaghadee, *N. Ireland* 31 Df
Donau (Danube), R., *Central Europe* 48 Ed
Donaueschingen, *Germany* 48 Ce
Don Benito, *Spain* 50 Cc
Doncaster, *England* 31 Gg
Dondo, *Angola* 76 Cf
Donegal & co., *Eire* 31 Bf
Donegal B., *Eire* 31 Bf
Donets, R., *Russia* 61 Eg
Donetsk, *Russia* 60 Kh
Donga, *Nigeria* 79 Hg
Dongara, *W. Australia* 94 Be
Dongargarh, *India* 68 Fd
Donggala, *Celebes* 63 Gl
Dong-hoi, *N. Vietnam* 67 Dc
Dongo, *Angola* 76 Dg
Dongola, *Sudan* 79 Me
Donji Miholjac, *Yugoslavia* 54 Gc
Dönna, *Norway* 46 Ec
Donnellys Crossing, *N.Z.* 93 Da
Doon L., *Scotland* 30 Ee
Doorman, Mt., *W. Irian* 63 Ll
Doorn, *Netherlands* 44 Db
Dora, L., *W. Australia* 94 Dd
Doranda, *India* 71 Ed
Dorat le, *France* 52 Dc
Dorchester, *England* 31 Fk
Dorchester, *New Brunswick* 82 Fd
Dorchester, C., *N.-W. Terr.* 81 Rc
Dordogne, dep., *France* 53 Dd
Dordogne R., *France* 53 Cd
Dordrecht, *Netherlands* 44 Cc
Dore L., *Saskatchewan* 80 Kf
Dore, Mt., *France* 52 Ed
Dori, *Upper Volta* 78 Ef
Dornoch & Firth, *Scotland* 30 Ec
Dorokhsh, *Iran* 73 Gc
Dorotea, *Sweden* 46 Gd
Dorrego, *Argentina* 92 De
Dorset, co., *England* 31 Fk
Dortmund, *Germany* 48 Bc
Dos Bahias, C., *Argentina* 92 Cf
Doshi, *Afghanistan* 73 Jb
Dospat, *Bulgaria* 56 Dd
Dosso, *Niger* 78 Ff
Dossor, *Kazakhskaya S.S.R.* 58 Ed
Dothan, *Alabama* 85 Je
Douai, *France* 52 Ea
Douala, *Cameroon* 79 Gh
Douarnenez, *France* 52 Ab
Doubs, dep., *France* 52 Gc
Doubtless B., *New Zealand* 93 Da
Douglas, *Arizona* 84 Ee
Douglas, *Cape Province* 75 Ce
Douglas, *Isle of Man* 31 Ef
Douglastown, *Quebec* 82 Fb
Doullens, *France* 52 Ea
Doume, *Cameroon* 76 Cd
Douro & R., *Spain-Portugal* 50 Ab
Dover, *Delaware* 86 Cc
Dover, *England* 31 Hj
Dover, *New Hampshire* 86 Ea
Dover, *New Jersey* 86 Cb
Dover, *Ohio* 83 Fe
Dover, Str. of, *Eng.-France* 52 Da
Dover Foxcroft, *Maine* 82 Dd
Dovrefjell, *Norway* 46 Ce
Dow L., *Botswana* 75 Cd
Dowa, *Malawi* 77 Gg
Down, co., *N. Ireland* 31 Cf
Downpatrick, *N. Ireland* 31 Df
Dow Polān, *Iran* 73 Fc
Doyles, *Newfoundland* 82 Jc
Doylestown, *Pennsylvania* 86 Cb
Drăgăsani, *Rumania* 56 Eb
Draguignan, *France* 53 Ge
Drake Str., *Antarctica* 100 Sd
Drakensberg, Mts., *S. Africa* 75 Df
Dráma, *Greece* 56 Ed
Drammen, *Norway* 47 Dg
Dranov I., *Rumania* 56 Gb
Dras, *Kashmir* 70 Dc
Drawsko, *Poland* 49 Fb
Drazinda, *W. Pakistan* 70 Ae
Drenthe, prov., *Netherlands* 44 Eb
Dresden, *Germany* 48 Ec
Dresden, *Ontario* 83 Ed
Dreux, *France* 52 Db
Drin G., *Albania* 56 Bd
Drina, R., *Yugoslavia* 56 Bc
Dröbak, *Norway* 47 Dg
Drogheda, *Eire* 31 Cg
Droichead Atha. See Drogheda
Droitwich, *England* 31 Fh
Drôme, dep. & R., *France* 53 Fd
Drumheller, *Alberta* 80 Jf
Drummond I., *Michigan* 83 Ec
Drummondville, *Quebec* 83 Kc
Drunen, *Netherlands* 44 Dc
Druten, *Netherlands* 44 Dc
Druz, Jeb. ed, *Syria* 74 Ee
Dryden, *Ontario* 81 Ng
Drygalski I., *Antarctica* 100 Gc
Dschang, *Cameroon* 76 Cc
Dubawnt L., *N.-W. Terr.* 80 Ld
Dubay, *Trucial States* 73 Gd
Dubbo, *New S. Wales* 95 Jf
Dublin, *Georgia* 85 Ke
Dublin & co., *Eire* 31 Cg
Dubno, *Ukraine* 60 Df
Du Bois, *Pennsylvania* 86 Ab
Dubrovnik, *Yugoslavia* 56 Bc
Dubuque, *Iowa* 85 Hc
Duchcov, *Czechoslovakia* 48 Ec
Ducie I., *Pacific Ocean* 99 Nk
Duck Is., *Ontario* 83 Ec
Dudinka, *Russia* 58 Hb
Dudley, *England* 31 Fh
Duero R., *Spain* 50 Cb
Duffel, *Belgium* 44 Cc
Dugi Otok, I., *Yugoslavia* 54 Ec
Duifken Pt., *Queensland* 95 Hb
Duisburg, *Germany* 48 Bc
Dujana, *India* 70 Ef
Duke of Gloucester Grp., *Tuamotu Archipelago* 99 Lk
Duke of York Arch., *N.-W. Territories* 80 Jc
Duk Faiwil, *Sudan* 79 Mg
Dulan, *China* 62 Cc
Dulce, G., *Costa Rica* 89 Ce
Duluth, *Minnesota* 85 Hb
Duma, *Syria* 74 Ed
Dumbarton, *Scotland* 30 Ee
Dum-Dum, *India* 71 Gd
Dumeir, *Syria* 74 Ed
Dumfries & co., *Scotland* 30 Ee
Dumka, *India* 71 Fc
Dumraon, *India* 71 Ec
Dunarea (Danube) R., *Cent. Europe* 43 Pg
Dunaujváros, *Hungary* 56 Ba
Dunbarton, co., *Scotland* 30 Dd
Duncan Pass., *Andaman Is.* 69 Hf
Duncansby Hd., *Scotland* 30 Fb
Dundalk, *Eire* 31 Cf
Dundalk B., *Eire* 31 Cg
Dundas, *Greenland* 81 Ta
Dundas, *Ontario* 83 Fd
Dundas Str., *N. Terr., Aust.* 94 Fb
Dún Dealgan. See Dundalk
Dundee, *Natal* 75 Ee
Dundee, *Scotland* 30 Fd
Dundee I., *Antarctica* 100 Tb
Dundrum B., *N. Ireland* 31 Df
Dundwa Ra., *Nepal* 71 Db
Dunedin, *New Zealand* 93 Cf
Dunfermline, *Scotland* 30 Ed
Dungarven, *Eire* 31 Bh
Dungbure Ra., *Tibet* 69 Fa
Dungeness, *England* 31 Hk
Dungu, *Congo* 77 Fd
Dunkeld, *Scotland* 30 Ed
Dunkerque, *France* 52 Ea
Dunkirk, *France* See Dunkerque
Dunkirk, *New York* 86 Aa
Dunkur, *Ethiopia* 77 Hb
Dunkwa, *Ghana* 78 Eg
Dúnlaoghaire, *Eire* 31 Cg
Dunmanway, *Eire* 31 Aj
Dunmara, *N.T., Aust.* 95 Fc
Dunnet Hd., *Scotland* 30 Eb
Duns, *Scotland* 30 Fe
Duque de York, I., *Chile* 92 Ah
Dura, *Jordan* 74 Df
Durango, *Colorado* 84 Ed
Durango & state, *Mexico* 88 Dc
Durant, *Oklahoma* 84 Ge
Durazno, *Uruguay* 92 Ed
Durazzo. See Durrës
Durban, *Natal* 75 Ee
Durbe, *Latvia* 47 Jh
Durbuy, *Belgium* 44 Dd
Durdevac, *Yugoslavia* 54 Fb
Durdureh, *Somalia* 77 Kb
Dureikish, *Syria* 74 Ec
Düren, *Germany* 48 Bc
Durga Str., *W. Irian* 95 Ga
Durham, *Ontario* 83 Fc
Durham *N. Carolina* 85 Ld
Durham & co., *England* 31 Ff
Durness, *Scotland* 30 Db
Durrës, *Albania* 56 Bd
Dursey, I., *Eire* 31 Aj
Duruh, *Iran* 73 Hc
D'Urville I., *New Zealand* 93 Dd
Duryea, *Pennsylvania* 86 Cb
Dushanbe, *Tadzhikskaya rep.* 58 Fe
Dushore, *Pennsylvania* 86 Bb
Dusky Sound, *New Zealand* 93 Af
Düsseldorf, *Germany* 48 Bc
Dussen, *Netherlands* 44 Cc
Duszniki Zdrój, *Poland* 49 Gc
Dutch Harb., *Aleutian Is.* 85 Wm
Dutch Guiana. See Surinam
Duvan, *Russia* 61 Nc
Duwadami, *Arabia* 72 De
Dvina, R., *Latvia* 47 Lh
Dyatkovo, *Russia* 60 Je
Dyer, C., *N.-W. Territories* 81 Uc
Dyersburg, *Tennessee* 85 Jd
Dyle R., *Belgium* 44 Cd
Dyurtyuli, *Russia* 61 Mc
Dzamyn Ude, *Mongolia* 62 Eb
Dzep, *Yugoslavia* 56 Dc
Dzerzhinsk, *Russia* 61 Fb
Dzerzhinsk, *Belorussia* 60 Ee
Dzhagdy, Khrebet, *Russia* 59 Mc
Dzhalal Abad, *Kirgizia* 58 Gd
Dzhalinda, *Russia* 59 Mc
Dzhambul, *Kazakhskaya* 58 Gd
Dzhetygara, *Kazakhskaya* 58 Fc
Dzhezkazgan, *Kazakh.* 58 Fd
Dzhugdzhur, Khrebet, *Russia* 59 Nc
Dzhungarskiy Ala-Tau., *Kazakhskaya S.S.R.* 58 Gd
Dzhusaly, *Kazakhskaya* 58 Fd
Dzierzoniow, *Poland* 49 Gc
Eagle, *Alaska* 85 Yl
Eagle L., *Maine* 82 Dc
Eagle Ls., *Maine* 82 Dc
Eagle Pass, *Texas* 84 Ff
Eagle River, *Wisconsin* 83 Bc
Earlville, *New York* 86 Ca
Earn L., *Scotland* 30 Ed
East Aurora, *New York* 86 Aa
Eastbourne, *England* 31 Hk
Eastbourne, *New Zealand* 93 Ea
East Dereham, *England* 31 Hh
Easter I., *Pacific Ocean* 99 Qk
Eastern B., *Maryland* 86 Bc
Eastern States, *India* 68 Fd
East Liverpool, *Ohio* 83 Fe
East London, *Cape Province* 75 Df
East Lothian, co., *Scotland* 30 Fe
Eastmain R., *Quebec* 81 Rf
Easton, *Maryland* 86 Bc
Easton, *Pennsylvania* 86 Cb
East Pakistan, *S. Asia* 69 Gd
Eastport, *Maine* 82 Ed
East Retford, *England* 31 Gg
East Riding, *Yorks., Eng.* 31 Gg
East St Louis, *Illinois* 85 Jd
Eaton

Ecaussines, *Belgium* 44 Cd
Echallens, *Switzerland* 45 Bb
Echt, *Netherlands* 44 Dc
Echten, *Netherlands* 44 Eb
Echternach *Luxembourg* 48 Bd
Echuca, *Victoria, Aust.* 95 Hg
Eckeren, *Belgium* 44 Cc
Ecuador, rep., *S. America* 90 Bd
Edam, *Netherlands* 44 Db
Eday, I., *Orkney Is.* 30 Fa
Ed Damer, *Sudan* 79 Me
Ed Damur, *Lebanon* 74 Dd
Ed Debba, *Sudan* 79 Me
Eddrachillis B., *Scotland* 30 Db
Ed Dueim, *Sudan* 79 Mf
Ede, *Netherlands* 44 Db
Edebäck, *Sweden* 47 Ef
Edehon, L., *Manitoba* 80 Me
Eden, *Maine* 82 Dd
Eden, *New York* 86 Aa
Eden R., *England* 31 Ff
Edenburg, *Orange Free State* 75 De
Edendale, *New Zealand* 93 Bg
Edenderry, *Eire* 31 Cg
Ederengin Nuru, *Mongolia* 62 Cb
Edgeöya, I., *Arctic Ocean* 58 Ba
Edgerton, *Wisconsin* 83 Bd
Édhessa, *Greece* 57 Dd
Edievale, *New Zealand* 93 Bf
Edinburgh, *Scotland* 30 Ee
Edirne, *Turkey* 72 Aa
Edith Cavell, Mt., *Alberta* 80 Hf
Edmonton, *Alberta* 80 Jf
Edmundston, *New Brunswick* 82 Dc
Edremit, *Turkey* 72 Ab
Edsele, *Sweden* 46 Ge
Edsel Ford Ra., *Antarctica* 100 Pb
Edsin Gol, *China* 62 Db
Edson, *Alberta* 80 Hf
Eduni, Mt., *N.-W. Terr.* 80 Fd
Edward L., *Congo* 77 Fe
Edwardesabad. See Bannu
Edwards, *New York* 83 Jc
Edwards Plateau, *Texas* 84 Fe
Eecke, *Belgium* 44 Bd
Eecloo. See Eeklo
Eeklo, *Belgium* 44 Bc
Efate, I., *New Hebrides* 98 Fj
Eferding, *Austria* 48 Ed
Effingham, *Illinois* 83 Bf
Egadi Is., *Sicily* 55 Dg
Egaña, *Argentina* 92 Ee
Eganville, *Ontario* 83 Hc
Eger. See Cheb
Eger, *Hungary* 49 Je
Egersund, *Norway* 47 Bg
Eggenfelden, *Germany* 48 Ed
Eghezee, *Belgium* 44 Cd
Eglinton, C., *North-West Territories* 81 Tb
Egmont B., *Prince Edward I.* 82 Fc
Egmont, Mt., *New Zealand* 93 Ec
Egridir, *Turkey* 72 Bb
Egypt (U.A.R.), *N. Africa* 79 Lc
Eibergen, *Netherlands* 44 Eb
Eichstätt, *Germany* 48 Dd
Eide, *Norway* 47 Bf
Eidsvoll, *Norway* 47 Df
Eifel, Mts., *Germany* 48 Bc
Eigg I., *Scotland* 30 Cd
Eighty Mile Beach, *W. Aust.* 94 Dc
Eil, *Somalia* 77 Kc
Eilat, *Israel* 74 Ch
Eindhoven, *Netherlands* 44 Dc
Ein Yahav, *Israel* 74 Dg
Eire. See Ireland, Republic of
Eirunepe, *Brazil* 90 Ce
Eisden, *Netherlands* 44 Dd
Eisenach, *Germany* 48 Dc
Eisenerz, *Austria* 48 Fe
Eisleben, *Germany* 48 Dc
Ejutla, *Mexico* 88 Ed
Ekaterinoslav. See Dnepropetrovsk
Eketahana, *New Zealand* 93 Ed
Ekhinádbes Is., *Greece* 57 Ce
Eksjö, *Sweden* 47 Fh
Ekträsk, *Sweden* 46 Hd
Ekwan R., *Ontario* 81 Qf
El Abde, *Lebanon* 74 Dc
Elafónisi Chan, *Greece* 57 Df
Élafos I., *Greece* 57 Df
El Agheila, *Libya* 79 Jb
El Aina, *Jordan* 74 Dg
El Alamein, *Egypt* 79 Lb
El-Asnam, *Algeria* 78 Fa
Elasson, *Greece* 57 De
El Auja. See Nizana
Elâzig, *Turkey* 72 Cb
Elba, I., *Italy* 54 Cd
El Bab, *Syria* 74 Fa
El Bahluiye, *Syria* 74 Db
El Banco, *Colombia* 90 Cb
El Barco de Valdeorras, *Spain* 50 Ba
Elbasan, *Albania* 56 Cd
El Baul, *Venezuela* 90 Db
El-Bayadh, *Algeria* 78 Fb
Elbe R., *Germany* 48 Db
Elbert, Mt., *Colorado* 84 Ed
Elbeuf, *France* 52 Db
Elbing. See Elbląg
El-Birka, *Arabia* 72 De
Elbistan, *Turkey* 72 Cb
Elbląg, *Poland* 49 Ha
El Br'aij, *Syria* 74 Ec
El'brus, Mt., *Russia* 58 Dd
Elburg, *Netherlands* 44 Db
Elburz Mts., *Iran* 73 Fb
El Callao, *Venezuela* 90 Eb
El Cardon, *Venezuela* 90 Ca
El Centro, *California* 87 Fj
Elche, *Spain* 51 Ec
El Chorro, *Argentina* 92 Db
El Cuy, *Argentina* 92 Ce
El Dab, *Somalia* 77 Kc
El Diwân, *Egypt* 79 Md
El Donfar, *Somalia* 77 Kb
El Dorado, *Kansas* 84 Gd
El Dorado, *Mexico* 88 Cc
El Dorado, *Venezuela* 90 Eb
Eldoret, *Kenya* 77 Hd
El Encanto, *Colombia* 90 Cd
Elephant I., *Antarctica* 100 Tc
Elephant Butte Res., *New Mexico* 84 Ee
El Ergh, *Libya* 79 Kc
Eleşkirt, *Turkey* 72 Db
Eleuthera I., *Bahama Is.* 89 Da
Elewyt, *Belgium* 44 Cd
El Faiyum, *Egypt* 79 Mc
El Fasher, *Sudan* 79 Lf
El Ferrol del Caudillo, *Spain* 50 Aa
El Fuwara, *Arabia* 72 Dd
Elgena, *Eritrea* 77 Ha
El Geteina, *Sudan* 79 Mf
Elgg, *Switzerland* 45 Da
El Ghobbe, *Arabia* 72 Ce
Elgin, *Illinois* 83 Bd
Elgin, *New Brunswick* 82 Fd
Elgin, *Scotland* 30 Ec
El Giof. See Al Jawf
El Giza, *Egypt* 79 Mb
El Golea, *Algeria* 78 Fb
Elgon, Mt., *Uganda* 77 Gd
El Hamra, *Syria* 74 Fb
El Hamrat, *Syria* 74 Ec
El-Harrach, *Algeria* 78 Fa
El-Hayath, *Arabia* 72 Dd
El Hijane, *Syria* 74 Ed
El Hilla, *Sudan* 79 Lf
Elisabethville. See Lubumbashi
Elista, *Russia* 58 Dd
Elizabeth, *New Jersey* 86 Cb
Elizabeth, *West Virginia* 83 Ff
Elizabeth City, *N. Carolina* 85 Ld
Elizabeth I., *Massachusetts* 86 Eb
Elizabeth, Mt., *Argentina* 92 Cg
Elizavetgrad. See Kirovograd
Elizondo, *Spain* 51 Ea
El Jafr, *Jordan* 74 Eg
El Jauf, *Libya* 79 Kd
Elk, *Poland* 49 Kb
El Kharga, *Egypt* 79 Mc
Elkhart, *Indiana* 83 De
Elkhorn, Mt., *Idaho* 87 Gd
El Khushniye, *Syria* 74 Dd
Elkins, *West Virginia* 83 Gf
Elko, *Nevada* 87 Fe
Elkton, *Maryland* 86 Cc
El Lâdhiqîya. See Latakia
Ellas, *Greece* 57 De
Ellenabad, *India* 70 Df
Ellensburg, *Washington* 87 Cb
Ellerslie, *Prince Edward I.* 82 Gc
Ellesmere I., *North-West Territories* 81 Qa
Ellesmere, L., *New Zealand* 93 De
Ellezelles, *Belgium* 44 Bd
Ellice Is., *Pacific Ocean* 98 Gh
Ellice R., *North-West Territories* 80 Kc
Ellichpur, *India* 68 Ed
Ellicott City, *Maryland* 86 Bc
Elliot, *Cape Province* 75 Df
Elliot, *Northern Territory, Australia* 95 Fc
Elliot Group, *China* 64 Lc
Elliot Lake, *Ontario* 81 Qg
Ellora, *India* 68 Ed
Ellsworth, *Maine* 82 Dd
Elm, *Switzerland* 45 Eb
El Ma'arra, *Syria* 74 Ea
Elma Dagh, *Turkey* 72 Bb
El Madhiq, *Arabia* 72 Ce
El Mansura, *Egypt* 79 Mb
El Mazar, *Jordan* 74 Df
El Mazra'a, *Jordan* 74 Df
El Meget, *Somalia* 77 Kd
El Menzil, *Jordan* 74 Ef
Elmira, *New York* 86 Ba
El Minya, *Egypt* 79 Mc
El Molar, *Spain* 50 Db
El Muwaqqar, *Jordan* 74 Ef
El Negro, *Venezuela* 90 Eb
El Obeid, *Sudan* 79 Mf
El Odaiya, *Sudan* 79 Lf
El Pardo, *Spain* 50 Db
El Paso, *Illinois* 83 Be
El Paso, *Texas* 84 Ee
Elphinstone I., *Burma* 69 Jf
El Pintado, *Argentina* 92 Db
El Portugues, *Peru* 90 Be
El Puente del Arzobispo, *Spain* 50 Cc
El Qadmus, *Syria* 74 Eb
El Qanawat, *Syria* 74 Ee
El Qaryatein, *Syria* 74 Fc
El Qathma, *Arabia* 72 De
El Qatrana, *Jordan* 74 Ef
El Qatrun, *Libya* 79 Hd
El Quds esh Sherif. See Jerusalem
El Quneitra, *Syria* 74 Dd
El Quseir, *Syria* 74 Ec
El Quweira, *Jordan* 74 Dh
Elroy, *Wisconsin* 83 Ad
El Sadi. See Wajir
El Salvador, *Cent. America* 89 Bd
Elsenborn, *Belgium* 44 Ed
Elsloo, *Netherlands* 44 Dd
Elspeet, *Netherlands* 44 Db
Elst, *Netherlands* 44 Dc
Elsterwerda, *Germany* 48 Ec
Eltham, *New Zealand* 93 Ec
El Tigre, *Venezuela* 90 Eb
El Toro, *Spain* 51 Eb
El Transito, *Chile* 92 Bc
Eluru, *India* 68 Fe
El Valle, *Colombia* 90 Bb
Elvas, *Portugal* 50 Bc
El Vigia, *Venezuela* 90 Cb
Elvira, C., *North-West Territories* 80 Kb
Ely, *England* 31 Hh
Ely, *Nevada* 87 Ff
Ely, Isle of, *England* 31 Hh
Emangulova, *Russia* 61 Md
Emba R., *Kazakhskaya* 58 Ed
Embarcación, *Argentina* 92 Db
Embóna, *Greece* 57 Ff
Embrun, *France* 53 Gd
Emden, *Germany* 48 Bb
Emerald, *Queensland* 95 Jd
Emerald I., *North-West Territories* 80 Ja
Emerson, *Manitoba* 80 Mg
Emilia-Romagna, reg., *Italy* 54 Cc
Eminabad, *W. Pakistan* 70 Dd
Emmaste, *Estonia* 47 Kg
Emmen, *Netherlands* 44 Eb
Empalme, *Mexico* 88 Bb
Empedrado, *Argentina* 92 Ec
Empire, *Michigan* 83 Cc
Emporia, *Kansas* 84 Gd
Emporium, *Pennsylvania* 86 Ab
Emptinne, *Belgium* 44 Dd
Ems, *Germany* 48 Bc
Enard B., *Scotland* 30 Db
Encantada, Cerro de, *Mexico* 88 Aa
Encarnación, *Paraguay* 92 Ec
Encontrados, *Venezuela* 90 Cb
Encounter B., *S. Australia* 95 Gg
Encruzilhada, *Brazil* 92 Fd
Ende, *Flores I., Indonesia* 63 Hm
Enderbury I., *Phoenix Is.* 98 Hh
Enderby Ld., *Antarctica* 100 Ec
Endicott, *New York* 86 Ba
Endicott Mts., *Alaska* 85 Xl
Enez, *Turkey* 72 Aa
Enez, G. of, *Greece* 57 Ed
Engaño, C., *Philippines* 63 Hg
Engelberg, *Switzerland* 45 Db
Engels, *Russia* 61 He
Enggaño, I., *Indonesia* 63 Dm
Enghien, *Belgium* 44 Cd
England, *Great Britain* 31 Fh
Englehart, *Ontario* 83 Gb
Englewood, *New Jersey* 86 Db
English Channel, *France-England* 43 Gf
English R., *Ontario* 80 Nf
English Bazar, *India* 71 Gc
Enid, *Oklahoma* 84 Gd
Enkhuizen, *Netherlands* 44 Db
Enköping, *Sweden* 47 Gg
Enna, *Sicily* 55 Eg
En Nahud, *Sudan* 79 Lf
En Naqura, *Lebanon* 74 Dd
En Nebk, *Syria* 74 Ec
Ennell L., *Eire* 31 Cg
Ennis, *Eire* 31 Bh
Enniscorthy, *Eire* 31 Ch
Enniskillen, *N. Ireland* 31 Bf
Ennistimon, *Eire* 31 Ah
Enns, *Austria* 48 Fd
Enns, R., *Austria* 48 Fe
Enontekiö, *Finland* 46 Kb
Enriquillo, L., *Rep. Dom.* 89 Ec
Ensanche Sarmiento, *Argentina* 92 Bg
Enschede, *Netherlands* 44 Eb
Ensenada, *Argentina* 92 Ed
Ensenada, *Mexico* 88 Aa
Enshih, *China* 65 Dg
Entebbe, *Uganda* 77 Ge
Entraygues, *France* 53 Ed
Entre Rios, *Brazil* 91 Kf
Entre Rios, *Brazil* 91 Ge
Eolie, Isole, *Italy* 55 Ef
Epe, *Netherlands* 44 Db
Epernay, *France* 52 Eb
Episkopi & B., *Cyprus* 74 Ac
Epping, *England* 31 Hj
Equatorial Guinea, *Africa* 76 Bd
Equeipa, *Venezuela* 90 Eb
Erciş, *Turkey* 72 Db
Erciyas Dag., *Turkey* 72 Cb
Erd, *Hungary* 49 He
Erebus Gulf, *Antarctica* 100 Tc
Erebus, Mt., *Antarctica* 100 Lb
Ereğli, *Turkey* 72 Ba
Ereğli, *Turkey* 72 Bb
Erepecú, L., *Brazil* 91 Fd
Eressós, *Greece* 57 Ee
Erexim, *Brazil* 92 Fc
Erfurt, *Germany* 48 Dc
Erh Hai, *China* 62 De
Erhlien, *China* 59 Ld
Ericht L., *Scotland* 30 Ed
Erie, *Pennsylvania* 83 Fd
Erie, L., *U.S.A.-Canada* 85 Kc
Erieau, *Ontario* 83 Ed
Eriha, *Syria* 74 Eb
Eritrea, prov., *Ethiopia* 77 Ha
Erlach, *Switzerland* 45 Ca
Erlangen, *Germany* 48 Dd
Erlenbach, *Switzerland* 45 Cb
Ermelo, *Netherlands* 44 Db
Ermenek, *Turkey* 72 Bb
Ernakulam, *India* 68 Ef
Erne L., *N. Ireland* 31 Bf
Erne L., Up., *N. Ireland* 31 Bf
Ernee, *France* 52 Cb
Eromanga, I., *New Hebrides* 98 Fj
Erquelinnes, *Belgium* 44 Cd
Er Rabba, *Jordan* 74 Df
Er Rahad, *Sudan* 79 Mf
Er Rastan, *Syria* 74 Ec
Errigal, *Eire* 30 Be
Erris Hd., *Eire* 31 Af
Er Rumman, *Jordan* 74 De
Erval, *Brazil* 92 Fd
Erz Geb., *Germany* 48 Ec
Erzincan, *Turkey* 72 Cb
Erzurum, *Turkey* 72 Db
Erzvilikas, *Lithuania* 47 Kj
Esashi, *Japan* 66 Hb
Esbjerg, *Denmark* 47 Cj
Escada, *Brazil* 91 Ke
Escala, La, *Spain* 51 Ga
Escalón, *Mexico* 88 Db
Escanaba & R., *Michigan* 83 Cc
Escaut, R., *Belgium* 44 Cc
Esch, *Luxembourg* 48 Ad
Escholzmatt, *Switzerland* 45 Cb
Escravos, R., *Nigeria* 78 Fg
Escudo de Veraguas, *Panama* 89 Ce
Escuinapa, *Mexico* 88 Cc
Escuintla, *Guatemala* 88 Fe
Escuminac Pt., *New Brunswick* 82 Fc
Esfahan, *Iran* 73 Fc
Eshowe, *Natal* 75 Ee
Eskdale, *New Zealand* 93 Fc
Eskilstuna, *Sweden* 47 Gg
Eskimo, C., *North-West Territories* 81 Nd
Eskişehir, *Turkey* 72 Bb
Esla, R., *Spain* 50 Cb
Eslöv, *Sweden* 47 Ej
Esmeralda, I., *Chile* 92 Ag
Esmeraldas, *Ecuador* 90 Bc
Espalion, *France* 53 Ed
Espanola, *Ontario* 83 Fb
Esperance, W. *Australia* 94 Df
Esperanza, *Argentina* 92 Dd
Espiel, *Spain* 50 Cc
Espinho, *Portugal* 50 Ab
Espinosa de los Monteros, *Spain* 50 Da
Espírito Santo, *Brazil* 91 Jg
Espíritu Santo B. del, *Mex.* 88 Gd
Espíritu Santo, C., *Argentina* 92 Ch
Espíritu Santo, I., *Mexico* 88 Bc
Espiritu Santo, I., *New Hebrides* 98 Fj
Esquel, *Argentina* 92 Bf
Esquimalt, *Brit. Columbia* 80 Gg
Esquina, *Argentina* 92 Ec
Es Sa'an, *Syria* 74 Fb
Es Salt, *Jordan* 74 De
Es Samra, *Jordan* 74 Ee
Es Sanamein, *Syria* 74 Ed
Esse & Älv, *Finland* 46 Ke
Essen, *Belgium* 44 Cc
Essen, *Germany* 48 Bc
Essequibo R., *Guyana* 90 Fb
Essex, *Ontario* 83 Ed
Essex, co., *England* 31 Hj
Essex Mt., *Wyoming* 84 Ec
Esslingen, *Germany* 48 Cd
Es Sukhne, *Syria* 72 Cc
Es Suweidȳa, *Syria* 74 Ee
Estados, I. de los, *Argentina* 92 Dh
Estância, *Brazil* 91 Kf
Estavayer, *Switzerland* 45 Bb
Estcourt, *Natal* 75 De
Esteli, *Nicaragua* 89 Bd
Esternay, *France* 52 Eb
Estevan, *Saskatchewan* 80 Lg
Estonia, rep., *U.S.S.R.* 47 Lg
Estoril, *Portugal* 50 Ac
Estreito, *Brazil* 92 Fd
Estremoz, *Portugal* 50 Bc
Estrondo, Sa. des, *Brazil* 91 He
Etadunna, *S. Australia* 95 Ge
Etah, *India* 71 Bb
Etah, *Greenland* 39 Qb
Etalle, *Belgium* 44 De
Étampes, *France* 52 Eb
Étaples, *France* 52 Da
Etawah, *India* 71 Bb
Etawney L., *Manitoba* 80 Me
Eten, *Peru* 90 Be
Eternity Ra., *Antarctica* 100 Sb
Ethe, *Belgium* 44 De
Ethel Creek, *W. Aust.* 94 Dd
Ethiopia, *E. Africa* 77 Hc
Etivaz, l', *Switzerland* 45 Cb
Etive L., *Scotland* 30 Dd
Etna Mt., *Sicily* 55 Eg
Ettelbrück, *Luxembourg* 48 Bd
Etten, *Netherlands* 44 Cc
Ettrick, *New Zealand* 93 Bf
Euboea. See Évvoia, I.
Eucla, *W. Australia* 94 Ef
Eufaula, *Alabama* 85 Je
Eugene, *Oregon* 87 Bc
Eugmö, *Finland* 46 Ke
Eupen, *Belgium* 44 Ed
Euphrates, R., *Iraq, etc.* 72 Ec
Eure, dep., *France* 52 Db
Eureka, *California* 87 Ae
Eureka, *Nevada* 87 Ff
Eureka, *Utah* 87 Gf
Eure-et-Loir, dep., *France* 52 Db
Eursinge, *Netherlands* 44 Eb
Eutin, *Germany* 48 Da
Eutsuk L., *Brit. Columbia* 80 Ff
Evale, *Angola* 75 Bc
Evans, L., *Quebec* 81 Rf
Evanston, *Illinois* 83 Cd
Evansville, *Indiana* 85 Jd
Evaux, *France* 52 Ec
Everard, L., *S. Australia* 95 Ff
Everest, Mt., *Nepal-Tibet* 69 Gc
Everett, *Washington* 84 Bb
Evergem, *Belgium* 44 Bc
Everglades, The, *Florida* 85 Kf
Everglades Nat. Park, *Florida* 85 Kf
Evesham, *England* 31 Fh
Evijärvi, *Finland* 46 Ke
Evje, *Norway* 47 Bg
Evolène, *Switzerland* 45 Cb
Evora, *Portugal* 50 Bc
Evreux, *France* 52 Db
Evros, *Greece* 57 Fd
Evrykhou, *Cyprus* 74 Ab
Evvoia, G. of, *Greece* 57 De
Évvoia, I., *Greece* 57 De
Ewarton, *Jamaica* 89 Dc
Ewe L., *Scotland* 30 Dc
Exaltación, *Bolivia* 90 Df
Exeter, *England* 31 Ek
Exeter, *New Hampshire* 86 Ea
Exloo, *Netherlands* 44 Eb
Exmoor, *England* 31 Ej
Exmouth, *England* 31 Ek
Exmouth G., *W. Australia* 94 Bd
Expedition Ra., *Queensland* 95 Jd
Exuma Is., *Bahama Is.* 89 Db
Exuma Sd., *Bahama Is.* 89 Db
Eyasi, L., *Tanzania* 77 Ge
Eyemouth, *Scotland* 30 Fe
Eymoutiers, *France* 52 Dd
Eyre, *W. Australia* 94 Ef
Eyre Cr., *S. Australia* 95 Ge
Eyre, L., *S. Australia* 95 Ge
Eyre Pen., *S. Australia* 95 Gf
Eyzies, les, *France* 53 Dd
Ezcaray, *Spain* 53 Be
Faaborg, *Denmark* 47 Dj
Facatativa, *Colombia* 90 Cc
Fada, *Chad* 79 Ke
Fadan' Gourma, *Volta* 78 Ff
Faddeyevskiy, Ostrov, *Russia* 59 Pa
Faenza, *Italy* 54 Cc
Færöerne, *N. Atlantic Ocean* 39 Mc
Faeroes. See Færöerne
Fafa, *Mali* 78 Fe
Făgăras, *Rumania* 56 Eb
Fagarg, *Sudan* 79 Lf
Fagerli, *Norway* 46 Fc
Fagernes, *Norway* 47 Cf
Fagnano, L., *Argentina* 92 Ch
Faid, *Arabia* 72 Dd
Faido, *Switzerland* 45 Db
Faifo, *S. Vietnam* 67 Dc
Fair I., *Scotland* 30 Fa
Fairbanks, *Alaska* 85 Yl
Fairbury, *Illinois* 83 Be
Fairbury, *Nebraska* 84 Gc
Fairfield, *Maine* 82 Dd
Fairhaven, *Massachusetts* 86 Eb
Fair Head, *N. Ireland* 30 Ce
Fairlie, *New Zealand* 93 Cf
Fairmont, *West Virginia* 83 Ff
Fairview, *Alberta* 80 He
Fairville, *New Brunswick* 82 Ed
Fairweather, Mt., *Alaska* 85 Zm
Faizabad, *Afghanistan* 73 Kb
Faizabad, *India* 71 Db
Fajr, *Arabia* 72 Cd
Fakfak, *W. Irian* 63 Kl
Fakiya, *Bulgaria* 56 Fc
Falam, *Burma* 69 Hd
Falama, *Guinea* 78 Df
Fâlciu, *Rumania* 56 Ga
Falcone, C. of, *Sardinia* 55 Be
Falkenberg, *Sweden* 47 Eh
Falkirk, *Scotland* 30 Ee
Falkland Is., *South Atlantic Ocean* 92 Dh
Falkland Sd., *Falkland Is.* 92 Dh
Falköping, *Sweden* 47 Eg
Fall River, *Massachusetts* 86 Eb
Falls City, *Nebraska* 84 Gc
Falmagne, *Belgium* 44 Cd
Falmouth, *Jamaica* 89 Dc
Falmouth, *Kentucky* 83 Df
Falmouth, *England* 31 Dk
False B., *Cape Province* 75 Bf
False Point, *India* 69 Gd
Falset, *Spain* 51 Fb
Falso, C., *Mexico* 88 Bc
Falster, I., *Denmark* 47 Dj
Falun, *Sweden* 47 Ff
Famagusta & B., *Cyprus* 74 Bb
Famatina, *Argentina* 92 Cc
Fannich L., *Scotland* 30 Dc
Fanning, I., *Pacific Ocean* 99 Kg
Fannïy, *Iran* 73 Gd
Fanö, I., *Denmark* 47 Cj
Fanö Bugt, *Denmark* 47 Cj
Faradje, *Congo* 77 Fd
Farafangana, *Madagascar* 77 Nl
Farah, *Afghanistan* 73 Hc
Farajah, *Arabia* 73 Fe
Faranah, *Guinea* 78 Cf
Faranlep, I., *Caroline Is.* 98 Dg
Farasan Is., *Red Sea* 72 Df
Farewell C., *Greenland* 39 Pd
Fargo, *N. Dakota* 84 Gb
Faribault, *Minnesota* 85 Hc
Faridabad, *India* 70 Ef
Faridkot, *India* 70 De
Faridpur, *India* 71 Ba
Faridpur, *E. Pakistan* 71 Gd
Farïmān, *Persia* 73 Gb
Farmington, *Maine* 82 Cd
Farne Is., *England* 30 Fe
Farnes, *Norway* 47 Bf
Farnham, *Quebec* 83 Kc
Faro, *Brazil* 91 Fd
Faro, *Portugal* 50 Bd
Fårön, I., *Sweden* 47 Hh
Farrukhabad, *India* 71 Bb
Farrukhnagar, *India* 70 Ef
Farsala, *Greece* 57 De
Farsi, *Afghanistan* 73 Hc
Farsund, *Norway* 47 Bg
Farwell, *Michigan* 83 Dd
Farwell, *Texas* 84 Fe
Fasă, *Iran* 73 Fd
Fatahabad, *India* 70 Df
Fatait ibn Kanat, *Arabia* 72 Dd
Fatehabad, *India* 71 Bb
Fatehgarh, *India* 71 Bb
Fatehpur, *Uttar Prad. India* 71 Cb
Fatehpur, *India* 71 Cc
Father L., *Quebec* 81 Rg
Fatmomakke, *Sweden* 46 Fd
Fatshan. See Namhoi
Fatu Hiva, I., *Marquesas Is.* 99 Mj
Faxaflói, *Iceland* 46 Um
Faya. See Largeau
Fayetteville, *Arkansas* 86 Hd
Fayetteville, *N. Carolina* 85 Ld
Fayetteville, *Pennsylvania* 85 Bc
Fazilka, *India* 70 De
Feale R., *Eire* 31 Ah
Fear, C., *N. Carolina* 85 Le
Fécamp, *France* 52 Db
Federacion, *Argentina* 92 Ed
Fehmarn, I., *Germany* 48 Da
Feify. See Faifo
Feijó, *Brazil* 90 Ce
Feilding, *New Zealand* 93 Ed
Feira de Santana, *Brazil* 91 Kf
Feldbach, *Austria* 49 Fe
Feldkirch, *Austria* 48 Ce
Felipe Carrillo Puerto, *Mexico* 88 Gd
Felix U Gomez, *Mexico* 88 Ca
Femund, L., *Norway* 46 De
Feng chên, *China* 64 Fb
Fenghsien, *China* 64 He
Fenghwang, *China* 65 Dj
Fengkieh, *China* 64 Dg
Fengsiang, *China* 64 Ce
Fengyang, *China* 64 Hf
Fenton, *Michigan* 83 Ed
Fenyang, *China* 64 Ed
Feodosiya & B., *Russia* 60 Jj
Ferdow, *Iran* 73 Gc
Fergus, *Ontario* 83 Fd
Fergus Falls, *Minnesota* 84 Gb
Ferguson, *Quebec* 83 Kb
Fergusson I., *Papua* 95 Ka
Fermanagh, co., *N. Ireland* 31 Bf
Fermoy, *Eire* 31 Bh
Fernando Poo, I., *W. Africa* 76 Bd
Fernie, *Brit. Columbia* 80 Jg
Ferozepore, *India* 70 De
Ferrar Gl., *Antarctica* 100 Kb
Ferrara, *Italy* 54 Cc
Ferrato C., *Sardinia* 55 Bf
Ferreira do Zezere, *Portugal* 50 Ac
Ferreira Gomes, *Brazil* 91 Gc
Fertö tó. See Neusiedler See
Fes, *Morocco* 78 Db
Fethard, *Eire* 31 Bh
Fethiye, *Turkey* 72 Ab
Fetlar I., *Zetland* 30 Ja
Fez. See Fes
Fiambala, *Argentina* 92 Cc
Ficalho, *Portugal* 50 Bd
Fichtel Geb., *Germany* 48 Dc
Fideris, *Switzerland* 45 Eb
Fier, *Albania* 57 Bd
Fiesch, *Switzerland* 45 Db
Fife, co., *Scotland* 30 Ed
Fife Ness, *Scotland* 30 Fd
Figeac, *France* 53 Ed
Figline Vald, *Italy* 54 Cd
Figueira de Castelo Rodrigo, *Portugal* 50 Bb
Figueras, *Spain* 51 Ga
Figuig, *Morocco* 78 Eb
Fiji Is., *Pacific Ocean* 98 Gj
Filakovo, *Czechoslovakia* 49 Hd
Filchner Ice Shelf, *Antarc.* 100 Tb
Filiátes, *Greece* 57 Ce
Filicudi, I., *Italy* 55 Ef
Filipow, *Poland* 49 Ka
Filisur, *Switzerland* 45 Eb
Filonovsk, *Russia* 61 Fe
Findhorn R., *Scotland* 30 Ec
Findlay, *Ohio* 83 Ee
Findlay Grp., *North-West Territories* 80 La
Finhaut, *Switzerland* 45 Bb
Finistère, dep., *France* 52 Ab
Finisterre, C., *Spain* 50 Aa
Finke, R., *Northern Territory, Australia* 95 Fe
Finland, rep., *N. Europe* 46 Le
Finland, G. of, *N.-W. Europe* 47 Lg
Finlay R., *Brit. Columbia* 80 Ge
Finlay Forks, *Brit. Columbia* 80 Ge
Finschhafen, *New Guinea* 95 Ja
Finspång, *Sweden* 47 Fg
Finsteraarhorn, *Switzerland* 45 Db
Fintona, *N. Ireland* 31 Cf
Fionnay, *Switzerland* 45 Cb
Fiq, *Syria* 74 De
Firat, R., *Turkey* 72 Cb
Firenze, *Italy* 54 Cd
Firmat, *Argentina* 92 Dd
Firozabad, *India* 71 Bb
Firozpur Jhirka, *India* 70 Eg
Firûzâbad, *Iran* 73 Fd
Fisher Str., *North-West Territories* 81 Qd
Fishguard, *Wales* 31 Dj
Fish Hoek, *S. Africa* 75 Gj
Fitchburg, *Massachusetts* 86 Ea
Fitful Hd., *Zetland* 30 Hb
Fitzcarrald, *Peru* 90 Cf
Fitzroy, *W. Australia* 94 Ec
Fitz Roy, C., *North-West Territories* 81 Ra
Fitzroy, R., *Queensland* 95 Jd
Fitzroy, R., *W. Australia* 94 Dc
Fitzwilliam I., *Ontario* 83 Fc
Fiume. See Rijeka
Fjällåsen, *Sweden* 46 Jc
Flagstaff, *Arizona* 84 Dd
Flamborough Hd., *England* 31 Gf
Flamingo B., *W. Irian* 63 Lm
Flat, *Alaska* 85 Xl
Flathead, L., *Montana* 87 Fb
Flattery, C., *Queensland* 95 Jb
Flattery C., *Washington* 84 Bb
Flèche, la, *France* 52 Cc
Fleetwood, *England* 31 Eg
Flekkefjord, *Norway* 47 Bg
Flemington, *New Jersey* 86 Cb
Flensburg, *Germany* 48 Ca
Flers, *France* 52 Cb
Fleurance, *France* 53 De
Fleurier, *Switzerland* 45 Bb
Fleuru, *Belgium* 44 Cd
Flims, *Switzerland* 45 Eb
Flinders I., *S. Australia* 95 Ff
Flinders I., *Tasmania* 95 Jg
Flinders Ra., *S. Australia* 95 Gc
Flinders, R., *Queensland* 95 Hf
Flin Flon, *Manitoba* 80 Lf
Flint, *Michigan* 83 Ed
Flint & co., *Wales* 31 Eg
Flint I., *Pacific Ocean* 99 Kj
Flint R., *Georgia* 85 Ke
Flisa, *Norway* 47 Ef
Florac, *France* 53 Ed
Floreffe, *Belgium* 44 Cd
Florence. See Firenze
Florence, *Alabama* 85 Je
Florence, *S. Carolina* 85 Le
Florence, *Wisconsin* 83 Bc
Florencia, *Argentina* 92 Ec
Florencia, *Colombia* 90 Bc
Florennes, *Belgium* 44 Cd
Florenville, *Belgium* 44 De
Flores, *Guatemala* 88 Fd
Flores, I., *Atlantic Ocean* 78 Aa
Flores I. & Sea, *Indonesia* 63 Hm
Floriano, *Brazil* 91 Je
Floriano Peixoto, *Brazil* 90 De
Florianopolis, *Brazil* 92 Gc
Florida, *Uruguay* 92 Ed
Florida, state, *U.S.A.* 85 Je
Florida B., *Florida* 85 Kg
Florida, C., *Florida* 85 Kf
Florida Str., *Florida* 85 Kg
Florida City, *Florida* 85 Kf
Florida Keys, *Florida* 85 Kg
Floridia, *Sicilia* 55 Eg
Florina, *Greece* 57 Cd
Flörö, *Norway* 46 Af
Flüelen, *Switzerland* 45 Db
Flushing, *New York* 86 Db
Flushing. See Vlissingen
Fly, R., *W. Irian/Papua* 95 Ha
Flying Fish C., *Antarctica* 100 Rb
Foča, *Yugoslavia* 56 Bc
Focsani, *Rumania* 56 Fb
Fofa Cahuel, *Argentina* 92 Bf
Foggia, *Italy* 55 Ee
Fogo I., *Newfoundland* 82 Mb
Föhr, I., *Germany* 48 Ca
Foix & prov., *France* 53 De
Fokis, *Greece* 57 De
Folda, Fd., *Norway* 46 Fc
Folégandros, I., *Greece* 57 Ef
Foleyet, *Ontario* 83 Ea
Foligno, *Italy* 54 Dd
Folkestone, *England* 31 Hj
Follega, *Netherlands* 44 Db
Fonda, *New York* 86 Ca
Fond du Lac, *Minnesota-Wisconsin* 83 Ab
Fond du Lac, *Saskatchewan* 80 Ke
Fond du Lac, *Wisconsin* 83 Bd
Fonsagrada, *Spain* 50 Ba
Fonseca, G. of, *Honduras* 89 Bd
Fontaine, *Belgium* 44 Cd
Fontainebleau, *France* 52 Eb
Fontana, L., *Argentina* 92 Bf
Fontenay le Comte, *France* 52 Cc
Foochow, *China* 65 Jj
Forbes, *New South Wales* 95 Jf
Forbes, Mt., *Alberta* 80 Hf
Forcados, *Nigeria* 78 Gg
Forcalquier, *France* 53 Fe
Förde, *Norway* 47 Af
Fordlandia, *Brazil* 91 Fd
Forel, Mt., *Greenland* 39 Nc
Forest, *Ontario* 83 Ed
Forestville, *Quebec* 82 Db
Forfar, *Scotland* 30 Fd
Fork, R., N., *Idaho* 84 Dc
Forli, *Italy* 54 Dc
Formentera I., *Balearic Is.* 51 Fc
Formia, *Italy* 55 De
Formiga, *Brazil* 91 Hh
Formosa, *Argentina* 92 Ec
Formosa, *Brazil* 91 Hg
Formosa. See Taiwan, I.
Formosa Str. See Taiwan Hai Hsia
Fornos d'Algôdres, *Portugal* 50 Bb
Forres, *Scotland* 30 Ec
Forrest, *W. Australia* 94 Ef
Forsa, *Sweden* 47 Gf
Forsayth, *Queensland* 95 Hc
Forsnäs, *Sweden* 46 Hc
Forssa, *Finland* 47 Kf
Fort Albany, *Ontario* 81 Qf

Fortaleza, *Brazil* 91 Kd
Fortaleza, *Terr. do Acre, Brazil* 90 De
Fort Ann, *New York* 86 Da
Fort Archambault, *Chad* 79 Jg
Fort Atkinson, *Wisconsin* 83 Bd
Fort Augustus, *Scotland* 30 Dc
Fort Beaufort, *Cape Province* 75 Df
Fort Bragg, *California* 87 Bf
Fort Chipewyan, *Alberta* 80 Je
Fort Collins, *Colorado* 84 Ec
Fort Coulonge, *Quebec* 83 Hc
Fort Crampel, *Central African Republic* 79 Jg
Fort Dauphin, *Madagascar* 77 Nm
Fort Dodge, *Iowa* 85 Hc
Fort Edward, *New York* 83 Kd
Fortescue, R., *W. Australia* 94 Cd
Fort Fairfield, *Maine* 82 Ec
Fort Fitzgerald, *Alberta* 80 Ge
Fort Flatters, *Algeria* 78 Gc
Fort Fraser, *Brit. Columbia* 80 Gf
Fort George, R., *Quebec* 81 Rf
Fort Gouraud, *Mauritania* 78 Cd
Fort Grahame, *B.C.* 80 Ge
Forth, Firth of, *Scotland* 30 Fd
Forth R., *Scotland* 30 Ed
Fort Henrique, *South-West Africa* 75 Ac
Fort Hertz, *Burma* 69 Jf
Fort Howard, *Wisconsin* 83 Bc
Fort Hunter, *New York* 86 Ca
Fortin Avalos Sanchez, *Paraguay* 92 Eb
Fortin General Diaz, *Paraguay* 92 Db
Fortin Teniente Montania, *Paraguay* 92 Db
Fortin Lopez. *Paraguay* 92 Db
Fort Jameson, *Zambia* 77 Gg
Fort Johnston, *Malawi* 77 Hg
Fort Kent, *Maine* 82 Dc
Fort Lallemand, *Algeria* 78 Gb
Fort Lamy, *Chad* 79 Jf
Fort Laperrine. See Tamanrasset
Fort Laramie, *Wyoming* 84 Fc
Fort McKenzie, *Quebec* 81 Te
Fort Madison, *Iowa* 85 Hc
Fort Morgan, *Colorado* 84 Fc
Fort Munro, *W. Pakistan* 70 Af
Fort Nelson & R., *B.C.* 80 Ge
Fort Peck Res., *Montana* 84 Eb
Fort Plain, *New York* 86 Ca
Fort Polignac, *Algeria* 78 Gg
Fort Portal, *Uganda* 77 Gd
Fortrose, *Scotland* 30 Ec
Fort Saint, *Algeria* 79 Gb
Fort St George. See Madras
Fort St John, *B.C.* 80 Ge
Fort Sandeman, *W. Pakistan* 70 Ae
Fort Saskatchewan, *Alberta* 80 Jf
Fort Scott, *Kansas* 85 Hd
Fort Sibut, *Cent. Afr. Rep.* 79 Jg
Fort Smith, *Arkansas* 85 Hd
Fort Smith, *N.-W. Terr.* 80 Jd
Fortuna, *California* 87 Ae
Fortuna, *Spain* 51 Ec
Fortune B., *Newfoundland* 82 Lc
Fort Vermilion, *Alberta* 80 He
Fort Victoria, *Rhodesia* 75 Ed
Fort Wayne, *Indiana* 83 De
Fort White, *Burma* 69 Hd
Fort William, *Ontario* 81 Pg
Fort William, *Scotland* 30 Dd
Fort Worth, *Texas* 84 Ge
Fort Yukon, *Alaska* 85 Yl
Forville, *Belgium* 44 Cd
Fosse, *Belgium* 44 Cd
Foster Ls., *Saskatchewan* 80 Ke
Fougères, *France* 52 Cb
Foul B., *Egypt* 79 Nd
Foul, I., *Burma* 69 He
Foula, I., *Scotland* 30 Ha
Foulness I., *England* 31 Hj
Fouly, la, *Switzerland* 45 Cc
Foúrnoi, Is., *Greece* 57 Ff
Foveaux Strait, *New Zealand* 93 Ag
Fowchow. See Fowling
Fowlers B., *S. Australia* 94 Ff
Fowling, *China* 65 Ch
Fowning, *China* 64 Jf
Fowyang, *China* 64 Gf
Fox Is., *Aleutian Is.* 85 Wm
Fox R., *Manitoba* 80 Ne
Foxe Basin, *N.-W Terr.* 81 Rc
Foxe Chan., *N.-W. Terr.* 81 Qc
Foxe Pen., *N.-W. Terr.* 81 Rd
Foxton, *New Zealand* 93 Ed
Foyle L., *N. Ireland* 30 Ce
Foynes, *Eire* 31 Ah
Foz do Aripuana, *Brazil* 90 Ee
Foz do Cunene, *Angola* 75 Ac
Foz Embira, *Brazil* 90 Ce
Foz do Jordão, *Brazil* 90 Ce
Foz do Jutaí, *Brazil* 90 Dd
Foz do Pauiní, *Brazil* 90 De
Fraire, *Belgium* 44 Cd
Framboise, *Nova Scotia* 82 Hd
Frameries, *Belgium* 44 Bd
Framingham, *Massachusetts* 86 Ea
Franca, *Brazil* 91 Hh
Francavilla Fontana, *Italy* 55 Fe
France, *W. Europe* 43 Hg
Frances L., *Yukon* 80 Fd
Franceville, *Gabon* 76 Ce
Franche-Comte, prov., *Fr.* 52 Gc
Francistown, *Botswana* 75 Dd
Francois L., *Brit. Columbia* 80 Ff
Frankfort, *Kentucky* 85 Kd
Frankfort, *Michigan* 83 Cc
Frankfurt-am-Main, *Ger.* 48 Cc
Frankfurt-an-der-Oder, *Ger.* 48 Fb
Fränkischer Jura, *Germany* 48 Dd
Franklin, *New Hampshire* 86 Ea
Franklin, *New Jersey* 86 Cb
Franklin, *Pennsylvania* 86 Ab
Franklin, *Tasmania* 95 Jh
Franklin Dist., *N.-W. Terr.* 80 Jb
Franklin, I., *Antarctica* 100 Lb
Franklin Mts., *North-Wst Territories* 80 Gc
Franklin Falls, *N.Hampshire* 82 Ce
Frantsa Iosifa, Zemlya, *Arctic Ocean* 58 Da
Franz Josef Fd., *Greenland* 39 Nb
Franz Josef Land. See Frantsa Iosifa, Zemlya
Fraser R., *British Columbia* 80 Gf
Fraserburg, *Cape Province* 75 Cf
Fraserburgh, *Scotland* 30 Fc
Frasertown, *New Zealand* 93 Fc
Frasnes, *Belgium* 44 Bd
Frater, *Ontario* 83 Db
Frauenfeld, *Switzerland* 45 Da
Fray Bentos, *Uruguay* 92 Ed
Fredericia, *Denmark* 47 Cj
Frederick, *Maryland* 86 Bc
Fredericton, *New Brunswick* 82 Ed
Frederik Hendrik, I., *New Guinea* 63 Lm
Frederikshaab, *Greenland* 39 Pc
Frederikshavn, *Denmark* 47 Dh
Fredonia, *Colombia* 90 Bb
Fredonia, *New York* 86 Aa
Fredrika, *Sweden* 46 Hd
Fredrikstad, *Norway* 47 Dg
Freehold, *New Jersey* 86 Cb
Freeport, *Illinois* 83 Bd
Freeport, *Pennsylvania* 86 Ab
Freetown, *Sierra Leone* 78 Cg
Fregenal de la Sierra, *Spain* 50 Bc
Fréhel C., *France* 52 Bb
Freiberg, *Germany* 48 Ec
Freiburg, *Germany* 84 Bd
Freirina, *Chile* 92 Bc
Freistadt, *Austria* 48 Fd
Freital, *Germany* 48 Ec
Freixiel, *Portugal* 50 Bb
Freixo, *Portugal* 50 Bb
Fremantle, *W. Australia* 94 Cf
Fremont, *Nebraska* 84 Gc
Fremont, *Ohio* 83 Ee
Fremont Pk., *Wyoming* 84 Dc
Fremont Mts., *Oregon* 87 Cd
Fremont R., *Utah* 84 Dd
French R., *Ontario* 83 Fb
French Guiana, rep., *S. America* 91 Gc
Frenchman R., *Saskatchewan* 80 Kg
French River, *Ontario* 83 Fc
French Somaliland, *E. Afr.* 77 Jb
Fresco, *Ivory Coast* 78 Dg
Fresnillo, *Mexico* 88 Dc
Fresno, *California* 87 Dg
Frewena, *N.T., Aust.* 95 Gc
Frías, *Spain* 50 Da
Fribourg & canton, *Switz.* 45 Cb
Fridtjof Nansen Mt., *Antarc.* 100 La
Friedland, *Germany* 48 Eb
Friesische Is., Nord, *Ger.* 47 Cj
Friesische Is., Ost., *Germany* 48 Ab
Friesland, prov., *Netherland* 44 Da
Frio C., *S.-W. Africa* 75 Ac
Friuli-Venezia Giulia, reg., *Italy* 54 Db
Frobisher B., *N.-W. Terr.* 81 Td
Frobisher L., *Saskatchewan* 80 Ke
Frohavet, *Norway* 46 Ce
Frome, *England* 31 Fj
Frome, L., *S. Australia* 95 Hf
Fronteira, *Portugal* 50 Bc
Frontera, *Mexico* 88 Fd
Fronteras, *Mexico* 88 Ca
Front Royal, *Virginia* 86 Ac
Frosinone, *Italy* 55 De
Frostburg, *Maryland* 86 Ac
Frøya, *Norway* 46 Ce
Frozen Str., *N.-W. Terr.* 81 Qc
Frunze, *Kirgizia* 58 Gd
Frutigen, *Switzerland* 45 Cb
Frutuoso, *Brazil* 90 Ef
Frývaldov, *Czechoslovakia* 49 Gc
Fthiótis, *Greece* 57 De
Fuchin, *China* 62 Ka
Fu-chou. See Foochow
Fuchow. See Linchwan
Fu-chow, *China* 64 Kc
Fuente-Alamo de Murcia, *Sp.* 51 Ed
Fuente del Arco, *Spain* 50 Cc
Fuentes de Onoro, *Spain* 50 Bb
Fuertaventura I., *Canary Is.* 78 Cc
Fuerte, El, *Mexico* 88 Cb
Fuerte, R., *Mexico* 88 Cb
Fuji yama (Fuji san), *Japan* 66 Fg
Fukien, prov., *China* 65 Hj
Fuki Kaku, *Taiwan* 62 He
Fukui, *Japan* 66 Ef
Fukuoka, *Japan* 66 Bh
Fukushima, *Japan* 66 Gf
Fukuyama, *Japan* 66 Gd
Fukuyama, *Japan* 66 Cg
Fulda, R., *Germany* 48 Cc
Fulton, *New York* 86 Ba
Fulton Chain Ls., *New York* 86 Ca
Funchal, *Madeira I.* 78 Bb
Fundão, *Portugal* 50 Bb
Fundy, B. of, *N.S., N.B.* 82 Fd
Fünen. See Fyn
Fünfkurchen. See Pécs
Funing. See Siapu
Fure, *Japan* 66 Gb
Furg, *Iran* 73 Gd
Furneaux Grp., *Tasmania* 95 Jh
Furnes. See Veurne
Furqlus, *Syria* 74 Fc
Fürth, *Germany* 48 Dd
Furue. See Kanoya
Fusagasuga, *Colombia* 90 Cc
Fushih, *China* 64 Dd
Fushimi, *Japan* 66 Dg
Fu-shun, *China* 64 Lb
Fusin, *China* 64 Ka
Fusio, *Switzerland* 45 Db
Fuwa, *S. Yemen* 72 Eg
Fuyu, *China* 62 Ha
Fyn, *Denmark* 47 Dj
Fyne L., *Scotland* 30 Dd
Fyzabad. See Faizabad
Gaberones, *Botswana* 75 Dd
Gabès, & G. of, *Tunisia* 79 Hb
Gabin, *Poland* 49 Hb
Gabon, *Central Africa* 76 Ce
Gabrovo, *Bulgaria* 56 Ec
Gach Saran, *Iran* 73 Fc
Gadag, *India* 68 Ee
Gadsden, *Alabama* 85 Je
Gael Hamkes B., *Greenland* 39 Mb
Gaeşti, *Rumania* 56 Eb
Gaeta & G. di, *Italy* 55 De
Gafsa, *Tunisia* 79 Gb
Gagetown, *New Brunswick* 82 Ed
Gaibanda, *E. Pakistan* 71 Gc
Gaillac, *France* 53 De
Gaiman, *Argentina* 92 Cf
Gainseville, *Florida* 85 Kf
Gainsborough, *England* 31 Gg
Gairdner, L., *S. Australia* 95 Gf
Gairloch, *Scotland* 30 Dc
Galag. See Kalak
Galangue, *Angola* 76 Dg
Galapagos Is., *Pacific Ocean* 99 Rg
Galashiels, *Scotland* 30 Fe
Galatea, *New Zealand* 93 Fc
Galathea B., *Nicobar Is.* 69 Hg
Galati, *Rumania* 56 Gb
Galatz. See Galati
Galcaio, *Somalia* 77 Kc
Galch Dar, *Iran* 73 Fd
Galdhöpiggen, Mt., *Norway* 47 Cf
Galeana, *Mexico* 88 Ca
Galeana, *Mexico* 88 Ec
Galena, *Illinois* 83 Ad
Galesburg, *Illinois* 83 Ae
Galeton, *Pennsylvania* 86 Bb
Galich, *Russia* 61 Fa
Galilee, L., *Queensland* 95 Jd
Galilee, Sea of. See Tiberias L.
Galle, *Ceylon* 68 Fg
Gallegos R., *Argentina* 92 Bh
Gallipoli. See Gelibolu
Gallipoli, *Italy* 55 Fe
Gällivare, *Sweden* 46 Jc
Galloway, Mull of, *Scotland* 31 Df
Galt, *Ontario* 83 Fd
Galtee Mts., *Eire* 31 Bh
Galva, *Illinois* 83 Ae
Galveston, *Texas* 85 Hf
Galvez, *Argentina* 92 Dd
Galway (Gaillimh), *Eire* 31 Ag
Galway B., *Eire* 31 Ag
Gambaga, *Ghana* 78 Ef
Gambia, The & R., *N.-W. Africa* 78 Bf
Gambo, *Newfoundland* 82 Lb
Gams, *Switzerland* 45 Ea
Gananoque, *Ontario* 83 Hc
Gand, *Belgium* 44 Bc
Gandak R., *India* 71 Eb
Gandava, *W. Pakistan* 68 Cc
Gander (Airport) & L., *Nfd.* 82 Lb
Gandesa, *Spain* 51 Fb
Gandía, *Spain* 51 Ec
Ganga. See Ganges
Ganganagar, *India* 70 Cf
Gangaw, *Burma* 69 Hd
Ganges, R., *India* 71 Ec
Gangoh, *India* 70 Ef
Gangtok, *India* 71 Gb
Ganjam, *India* 69 Ge
Gannat, *France* 52 Ec
Gannett Pk., *Wyoming* 84 Dc
Gantheaume B., *W. Australia* 94 Be
Gao, *Mali* 78 Ee
Gaoual, *Guinea* 78 Cf
Gara L., *Eire* 32 Gf
Garachine, *Panama* 89 De
Garanhuns, *Brazil* 91 Ke
Garba Tula, *Kenya* 77 Hd
Gard, dep., *France* 53 Fd
Garda, L. di., *Italy* 54 Cc
Gardafui, C., *Somalia* 77 Lb
Garden, *Michigan* 83 Cc
Gardiner, *Maine* 82 Dd
Gardiner, *Oregon* 87 Ad
Gardiners, B. & I., *New York* 86 Db
Gardner I., *Hawaiian Is.* 98 Je
Gardò, *Somalia* 77 Kc
Gardula, *Ethiopia* 77 Hc
Gar Gunsa, *Tibet* 68 Fb
Garha, *India* 71 Bc
Garhmuktesar, *India* 70 Ff
Garhshankar, *India* 70 Ee
Garibaldi, *Brazil* 92 Fc
Garibaldi Park, *B.C.* 80 Gf
Garies, *Cape Province* 75 Bf
Garissa, *Kenya* 77 He
Garm, *Tadzhikskaya rep.* 58 Ge
Garmsar, *Iran* 73 Fb
Garo Hills, *India* 69 Hc
Garonne, R., *France* 53 De
Garoua, *Cameroon* 79 Hg
Garraway, *Liberia* 78 Dh
Garrison Res., *N. Dakota* 84 Fb
Garrovillas, *Spain* 50 Bc
Garry, L., *N.-W. Territories* 80 Mc
Garsen, *Kenya* 77 Je
Gartok, *Tibet* 68 Fb
Gary, *Indiana* 83 Ce
Garza, *Argentina* 92 Dc
Garzon, *Colombia* 90 Bc
Gasan Kuli, *Turkmenistan* 58 Ee
Gascogne, G. de, *Fr.-Sp.* 53 Be
Gascogne, prov., *France* 53 De
Gascoyne, R., *W. Australia* 94 Ce
Gasherbrum, Mt., *Kashmir* 70 Ec
Gasht, *Iran* 73 Hd
Gaspé, *Quebec* 82 Fb
Gaspé B. & C., *Quebec* 82 Fb
Gaspé Pen., *Quebec* 82 Fb
Gaspésia Park, *Quebec* 82 Eb
Gasselte, *Netherlands* 44 Eb
Gastonia, *N. Carolina* 85 Kd
Gastre, *Argentina* 92 Cf
Gat (Ghat), *Libya* 79 Hd
Gata, *Spain* 50 Bb
Gata, C., *Cyprus* 74 Bc
Gateshead, *England* 30 Ff
Gatineau R., *Quebec* 83 Jb
Gatooma, *Rhodesia* 75 Dc
Gatun L., *Panama* 89 Ce
Gaud-i-Zirreh, *Afghanistan* 73 Hd
Gauhati, *India* 69 Hc
Gaurihar, *India* 71 Cc
Gavbandi, *Iran* 73 Fd
Gavdhos, I., *Crete* 57 Eg
Gavião, *Portugal* 50 Bc
Gāv Koshi, *Iran* 73 Gd
Gävle, *Sweden* 47 Gf
Gävlebukten, *Sweden* 47 Gf
Gavur D., *Turkey* 72 Cb
Gawler Ra., *S. Australia* 95 Gf
Gaya, *India* 71 Ec
Gaya, *Niger* 78 Ff
Gayaza, *Uganda* 77 Ge
Gaylord, *Michigan* 83 Dc
Gaza, *Cent. Afr. Rep.* 79 Jh
Gaza, *Egypt* 74 Cf
Gazi Antep, *Turkey* 72 Cb
Gazik, *Iran* 73 Hc
Gdansk, *Poland* 49 Ha
Gdynia, *Poland* 49 Ha
Gebeit, *Sudan* 79 Ne
Gedaref, *Sudan* 79 Nf
Gedinne, *Belgium* 44 Ce
Geel, *Belgium* 44 Cc
Geelong, *Victoria* 95 Hg
Geelvink B., *W. Irian* 63 Ll
Geeraardsbergen. See Grammont
Geikie R., *Saskatchewan* 80 Le
Gela, *Sicily* 55 Eg
Gelderland, *Netherlands* 44 Db
Geldrop, *Netherlands* 44 Dc
Gelib, *Somalia* 77 Jd
Gelibolu, *Turkey* 72 Aa
Gelinden, *Belgium* 44 Dd
Gelsenkirchen, *Germany* 48 Bc
Gemas, *W. Malaysia* 67 Cf
Gembloux, *Belgium* 44 Cd
Gemena, *Congo* 76 Dd
Gemert, *Netherlands* 44 Dc
Gemmenich, *Belgium* 44 Dd
Gemmi Pass, *Switzerland* 45 Cb
Genappe, *Belgium* 44 Cd
Gendringen, *Netherlands* 44 Ec
Geneina, *Sudan* 79 Kf
Genemuiden, *Netherlands* 44 Eb
General Acha, *Argentina* 92 De
General Alvarado, *Arg.* 92 Ee
General Alvear, *Argentina* 92 De
General Capdevila, *Argent.* 92 Dc
General Carneiro, *Brazil* 91 Gg
General Guido, *Argentina* 92 Ee
General José de San Martin, *Argentina* 92 Ec
General La Madrid, *Argent.* 92 De
General Lavalle, *Argentina* 92 Ee
General Madariaga, *Argent.* 92 Ee
General Pico, *Argentina* 92 De
General Pinto, *Argentina* 92 Dd
General Roca, *Argentina* 92 Ce
General Viamonte, *Argent.* 92 De
General Villegas, *Argentina* 92 De
Geneseo, *New York* 86 Ba
Geneva, *New York* 86 Ba
Geneva, L. of. See Léman, Lac
Génève (Geneva), *Switz.* 45 Bb
Genkai Nada, *Japan* 66 Ah
Gennargentu, Mte. del, *Sard.* 55 Be
Gennep, *Netherlands* 44 Dc
Genoa. See Genova
Genova, *Italy* 54 Bc
Genova, G. di, *Italy* 54 Bc
Gent. See Gand
Geographe B., *W. Australia* 94 Cf
Geographe Chan., *W. Aust.* 94 Bd
Georga Zemlya, *Arctic Oc.* 58 Da
George L., *New York* 86 Da
George L., *New S. Wales* 95 Jg
George R., *Quebec* 81 Te
Georgetown, *Guyana* 90 Fb
Georgetown, *Delaware* 83 Jf
Georgetown, *Virginia* 86 Bc
George Town, *Gr. Cayman, West Indies* 89 Cc
George Town, *Penang I., W. Malaysia* 67 Ce
Georgetown, *Pr. Edward I.* 82 Gc
Georgetown, *Queensland* 95 Hc
Georgia, rep. See Gruzinskaya rep.
Georgia, state, *U.S.A.* 85 Ke
Georgian B., *Ontario* 83 Fc
Georgian B. Is. Nat. Pk., *Ont.* 83 Fc
Georgiyevsk, *Russia* 58 Dd
Georgina, R., *Queensland* 95 Gd
Gera, *Germany* 48 Ec
Geraardsbergen, *Belgium* 44 Bd
Geraldine, *New Zealand* 93 Cf
Geraldton, *Ont.* 81 Pg
Geraldton, *W. Australia* 94 Be
Gérgal, *Spain* 51 Dd
Gerlach, *Nevada* 87 De
Germania, *Argentina* 92 Dd
Germany, *Central Europe* 42 Kf
Gerona, *Spain* 51 Ga
Gers, dep., *France* 53 De
Gerze, *Turkey* 72 Ca
Getafe, *Spain* 50 Db
Gethsemani, *Quebec* 82 Ha
Gettysburg, *Pennsylvania* 86 Bc
Gevar. See Yuksekova
Gevgelija, *Yugoslavia* 56 Dd
Ghabaghib, *Syria* 74 Ed
Ghadames, *Libya* 79 Gb
Ghaghara, R., *India* 71 Db
Ghaida, *S. Yemen* 72 Eg
Ghail, *Arabia* 72 Ee
Ghana (Gold Coast), *W. Afr.* 78 Eg
Ghantur, *Syria* 74 Fc
Gharandal, *Jordan* 74 Dg
Ghardaia, *Algeria* 78 Fb
Gharian, *Libya* 79 Hb
Ghat, *Arabia* 72 Ed
Ghatal, *India* 71 Fd
Ghatampur, *India* 71 Cb
Ghatghat, *Arabia* 72 Ee
Ghats, Eastern, *India* 68 Fe
Ghats, Western, *India* 68 De
Ghauta, *Arabia* 72 Ee
Ghaziabad, *India* 70 Ef
Ghazipur, *India* 71 Dc
Ghazir, *Lebanon* 74 Dc
Ghazni, *Afghanistan* 73 Jc
Ghazouet, *Algeria* 78 Ea
Gheorgheni, *Rumania* 56 Ea
Ghislenghien, *Belgium* 44 Bd
Ghizao, *Afghanistan* 73 Jc
Ghorak, *Afghanistan* 73 Jc
Ghorian, *Afghanistan* 73 Hc
Ghotki, *W. Pakistan* 68 Cc
Ghubreh, *Muscat & Oman* 73 Ge
Giaour Dagh. See Gavur D.
Giarre, *Sicily* 55 Eg
Gibara, *Cuba* 89 Db
Gibeon, *S.-W. Africa* 75 Be
Gibraltar, *Spain* 50 Cd
Gibraltar, Str. of, *Spain* 50 Ce
Gibson Desert, *W. Aust.* 94 Dd
Gien, *France* 52 Ec
Giessen, *Germany* 48 Cc
Gifhorn, *Germany* 48 Db
Gifu, *Japan* 66 Eg
Giganta, La, *Mexico* 88 Bb
Gijón, *Spain* 50 Ca
Gila Des., *Arizona* 84 De
Gila R., *Arizona* 84 De
Gilau, *Rumania* 56 Da
Gilbert Is., *Pacific Ocean* 98 Gh
Gilbert, R., *Queensland* 95 Hc
Gilberton, *Queensland* 95 Hc
Gilbués, *Brazil* 91 Je
Gilgit & R., *Kashmir* 70 Dc
Gimel, *Switzerland* 45 Bb
Ginir, *Ethiopia* 77 Jc
Ginzo, *Spain* 50 Ba
Gioia, G. di, *Italy* 55 Ef
Giornico, *Switzerland* 45 Db
Girardot, *Colombia* 90 Cc
Girdle Ness, *Scotland* 34 Me
Giresun, *Turkey* 72 Ca
Girga, *Egypt* 79 Mc
Giridih, *India* 71 Fc
Girishk, *Afghanistan* 73 Hc
Gironde, dep., *France* 53 Cd
Gironde, R., *France* 52 Cd
Girvan & R., *Scotland* 35 Gj
Gisborne, *New Zealand* 93 Gc
Gisenyi, *Rwanda* 77 Fe
Gisors, *France* 52 Db
Giswil, *Switzerland* 45 Db
Gitch, Mt., *Ethiopia* 77 Hb
Giurgiu, *Rumania* 56 Ec
Givry, *Belgium* 44 Cd
Gizhiga, *Russia* 59 Rb
Giżycko, *Poland* 49 Ja
Gjirokastër, *Albania* 57 Cd
Gjoa Haven, *N.-W. Terr.* 80 Mc
Gjövik, *Norway* 47 Df
Glabbeek, *Belgium* 44 Cd
Glace Bay, *Nova Scotia* 82 Jc
Glacier, *British Columbia* 80 Hf
Gladstone, *Michigan* 83 Cc
Gladstone, *Queensland* 95 Kd
Gladwin, *Michigan* 83 Dd
Glamoc, *Yugoslavia* 54 Fc
Glamorgan, *Wales* 31 Ej
Glärnisch, Mt., *Switzerland* 45 Db
Glarus & canton, *Switz.* 45 Ea
Glasgow, *Kentucky* 85 Jd
Glasgow, *Scotland* 30 Ee
Glassboro, *New Jersey* 86 Cc
Glauchau, *Germany* 48 Ec
Glazov, *Russia* 61 La
Glen, *New Hampshire* 83 Lc
Glen Affric, *Scotland* 30 Dc
Glen Afton, *N. Zealand* 93 Eb
Glendale, *California* 87 Dh
Glendive, *Montana* 84 Fb
Glen Garry, *Scotland* 30 Ed
Glenhope, *New Zealand* 93 Dd
Glen Innes, *New S. Wales* 95 Ke
Glen Falls, *New York* 83 Kd
Glenties, *Eire* 31 Bf
Glenville, *West Virginia* 83 Ff
Gletsch, *Switzerland* 45 Db
Glittertind, Mt., *Norway* 47 Cf
Gliwice, *Poland* 49 Hc
Globe, *Arizona* 84 De
Glogau. See Głogów
Głogów, *Poland* 49 Gc
Gloppen, *Norway* 46 Bf
Gloria, *Brazil* 91 Ke
Gloucester, *Massachusetts* 86 Ea
Gloucester, *New Jersey* 86 Cc
Gloucester & co., *England* 31 Fj
Gloversville, *New York* 86 Ca
Glukhov, *Ukraine* 60 Hf
Gmünd, *Austria* 48 Ee
Gmünd, *Germany* 48 Cd
Gmunden, *Austria* 48 Ee
Gniezno, *Poland* 49 Gb
Goa, *India* 68 De
Goalpara, *India* 69 Hc
Goalundo, *E. Pakistan* 71 Gd
Gobabis, *S.-W. Africa* 75 Bd
Gobi, The, *E. Asia* 59 Kd
Gobindpur, *India* 71 Fd
Godavari, R., *India* 68 Ee
Godda, *India* 71 Fc
Godech, *Bulgaria* 56 Dc
Goderich, *Ontario* 83 Fd
Godhra, *India* 68 Dd
Gods L., *Manitoba* 80 Mf
Gods R., *Manitoba* 81 Ne
Godthaab, *Greenland* 39 Pc
Goes, *Netherlands* 44 Bc
Goesi, *W. Irian* 63 Kl
Gogama, *Ontario* 83 Fb
Gog Magog Hills, *England* 31 Hh
Gogra R., *India* 71 Db
Gogrial, *Sudan* 79 Lg
Gohana, *India* 70 Ef
Goiânia, *Brazil* 91 Hg
Goias, *Brazil* 91 Hf
Gökçeağac, *Turkey* 72 Ba
Goksun, *Turkey* 72 Cb
Golaghat, *India* 69 Hc
Gol'chikha, *Russia* 58 Ha
Golconda, *India* 68 Ee
Goldap, *Poland* 49 Ka
Golden B., *New Zealand* 93 Dd
Golden Lake, *Ontario* 83 Hc
Goldfield, *Nevada* 87 Eg
Goleniow, *Poland* 48 Fb
Golmo, *China* 62 Cc
Goltva, *Ukraine* 60 Hg
Gomal Pass, *W. Pakistan* 70 Bd
Gombe, *Nigeria* 79 Hf
Gomel', *Belorussia* 60 Ge
Gomera, I., *Canary Is.* 78 Bc
Gómez Farias, *Mexico* 88 Dc
Gómez Palacio, *Mexico* 88 Db
Gonaïves, *Haiti* 89 Ec
Gonave, I. de la, *Haiti* 89 Ec
Gonbad-e-Kavus, *Iran* 73 Gb
Gonda, *India* 71 Db
Gondal, *India* 68 Dd
Gondo, *Switzerland* 45 Db
Gönen, *Turkey* 57 Fd
Gongka Ling, *China* 62 De
Goniądz, *Poland* 49 Kb
Goodenough I., *New Guinea* 95 Ka
Gooderham, *Ontario* 83 Gc
Good Hope, *N.-W. Terr.* 80 Fc
Good Hope, C. of, *Cape Prov.* 75 Bf
Goodland, *Kansas* 84 Fd
Goodrich, *Wisconsin* 83 Ac
Goole, *England* 31 Gg
Goomalling, *W. Australia* 94 Cf
Goor, *Netherlands* 44 Eb
Goorle, *Netherlands* 44 Dc
Goose L., *Oregon-California* 87 Ce
Goose Bay, *Labrador* 81 Uf
Gopalpur, *India* 69 Fe
Göppingen, *Germany* 48 Cd
Gor, *Spain* 50 Dd
Gora, *China* 62 Ce
Gorakhpur, *India* 71 Db
Gordola, *Switzerland* 45 Db
Gordonvale, *Queensland* 95 Jc
Gore, *Ethiopia* 77 Hc
Goré, *Chad* 79 Jg
Gore, *New Zealand* 93 Bg
Gore Bay, *Ontario* 83 Ec
Gorey, *Eire* 31 Ch
Gorgan, *Iran* 73 Fb
Gorgona, I., *Italy* 54 Bd
Gorinchem, *Netherlands* 44 Cc
Gorizia, *Italy* 54 Dc
Gor'kiy, *Russia* 61 Gb
Gorlice, *Poland* 49 Jd
Görlitz, *Germany* 48 Fc
Gorlovka, *Ukraine* 60 Lg
Gorodetz, *Russia* 61 Fb
Gorodishche, *Russia* 61 Gd
Gorodnitsa, *Ukraine* 60 Ef
Gorontalo, *Celebes* 63 Hk
Gorrahei, *Ethiopia* 77 Jc
Gorsel, *Netherlands* 44 Eb
Gorzów (Wielkopolski), *Poland* 48 Fb
Gosainthan, Mt., *Nepal-Tibet* 69 Gc
Göschenen, *Switzerland* 45 Db
Goshanak, *W. Pakistan* 68 Bc
Goshen, *New York* 86 Cb
Gospić, *Yugoslavia* 54 Ec
Gosport, *England* 31 Gk
Gossau, *Switzerland* 45 Ea
Gosselies, *Belgium* 44 Cd
Gossen, *Norway* 46 Be
Gostivar, *Yugoslavia* 56 Cd
Göta Älv, *Sweden* 47 Eg
Göteborg, *Sweden* 47 Dh
Gotha, *Germany* 48 Dc
Gothenburg. See Göteborg
Gotland, I., *Sweden* 47 Hh
Goto Retto, *Japan* 66 Ah
Gotska Sandön, *Sweden* 47 Hg
Göttingen, *Germany* 48 Cc
Gottwaldov, *Czechoslovakia* 49 Gd
Gouda, *Netherlands* 44 Cb
Goudswaard, *Netherlands* 44 Cc
Gough I., *Atlantic Ocean* 97 Kn
Gouin Res., *Quebec* 82 Ab
Goulburn, *New South Wales* 95 Jf
Goundam, *Mali* 78 Ee
Gouré, *Niger* 79 Hf
Gournay, *France* 52 Db
Gouverneur, *New York* 83 Jc
Gowanda, *New York* 83 Gd
Gowna L., *Eire* 31 Bg
Goya, *Argentina* 92 Ec
Gozo, I., *Malta* 55 Eg
Graaff Reinet, *Cape Province* 75 Cf
Grabow, *Poland* 49 Hc
Gračac, *Yugoslavia* 54 Ec
Gracefield, *Quebec* 83 Hb
Gracias, *Honduras* 89 Bd
Gracias a Dios, *Nicaragua* 89 Cd
Gradets, *Bulgaria* 56 Fc
Grado, *Spain* 50 Ba
Grafton, *New South Wales* 95 Ke
Grafton, *W. Virginia* 83 Ff
Grafton, Is., *Chile* 92 Bh
Graham Ld., *Antarctica* 100 Sc
Graham Bell, Os., *Arctic Oc.* 58 Fa
Grahamstown, *Cape Province* 75 Df
Grajewo, *Poland* 49 Kb
Grammont, *Belgium* 44 Be
Grampian Mts., *Scotland* 30 Dd
Gramsbergen, *Netherlands* 44 Eb
Granada, *Nicaragua* 89 Bd
Granada, *Spain* 50 Dd
Granby, *Quebec* 83 Kc
Gran Canaria, I., *Canary Is.* 78 Bc
Gran Chaco, *Argentina* 92 Dc
Grand Can., *China* 62 Gc
Grand I., *Michigan* 83 Cb
Grand I., *New York* 86 Aa
Grand L., *Maine-N.B.* 82 Dd
Grand L., *New Brunswick* 82 Fd
Grand L., *Newfoundland* 82 Kb
Grand R., *Michigan* 83 Dd
Grand R., *S. Dakota* 84 Fb
Grand Bassa. See Buchanan
Grand Bassam, *Ivory Coast* 78 Eg
Grand Canyon, *Arizona* 84 Dd
Grand Canyon Nat. Park, *Arizona* 84 Dd
Grand Cayman, I., *W.I.* 89 Cc
Grand Coulee Dam, *Wash.* 84 Cb
Grande, B., *Argentina* 92 Ch
Grande, Rio, *Brazil* 91 Gg
Grande, Sa. See Sa da Ibiapaba
Grande Anse, *N.B.* 82 Fc
Grande Comore, I., *Comores, Archipel des* 77 Jg
Grande de Santiago, R., *Me.* 88 Dc
Grand Falls, *Labrador* 81 Uf
Grand Falls, *N.B.* 82 Ec
Grand Falls, *Newfoundland* 82 Lb
Grand Forks, *B.C.* 80 Hg
Grand Forks, *N. Dakota* 84 Gb
Grand Haven, *Michigan* 83 Cd
Grandin, L., *N.-W. Terr.* 80 Hd
Grand Island, *Nebraska* 84 Gc
Grand Junction, *Colorado* 84 Ed
Grand Lahou, *Ivory Coast* 78 Dg
Grand Ledge, *Michigan* 83 Dd
Grand Manan I., *N.B.* 82 Ed
Grand Marais, *Minnesota* 83 Ab
Grand Mère, *Quebec* 83 Kb
Grandola, *Portugal* 50 Ac
Grand Piles, *Quebec* 83 Kb
Grand Prairie, *Alberta* 80 He
Grand Rapids, *Michigan* 83 Dd
Grandrieu, *Belgium* 44 Cd
Grand River, *Quebec* 82 Fb
Grandson, *Switzerland* 45 Bb
Grand Teton Mt. & Nat. Park, *Wyoming* 84 Dc
Grane, *Norway* 46 Ed
Granity, *New Zealand* 93 Cd
Granja, *Brazil* 91 Jd
Grankulla, *Finland* 47 Lf
Granollers, *Spain* 51 Gb
Granön, *Sweden* 46 Hd
Grant, *Ontario* 81 Pf
Grant Ld., *Arctic Ocean* 39 Qa
Grant Ra., *Nevada* 87 Ff
Grantham, *England* 31 Gh
Grantown-on-Spey, *Scotland* 30 Ec
Grants Pass, *Oregon* 87 Bd
Granville, *New York* 86 Da
Granville L., *Manitoba* 80 Le
Gras, L. de, *N.-W. Terr.* 80 Jd
Graskop, *Transvaal* 75 Ed
Gräsö, *Sweden* 47 Hf
Grassano, *Italy* 55 Fe
Grasse, *France* 53 Ge
Grassett, *Ontario* 83 Da
Grassier, *Switzerland* 45 Bb
Graubünden, canton, *Switz.* 45 Eb
Graus, *Spain* 51 Fa
Gravarne, *Sweden* 47 Dg
Grave, *Netherlands* 44 Dc
Gravelbourg, *Saskatchewan* 80 Kg
's Gravenhage, *Netherlands* 44 Cb
Gravenhurst, *Ontario* 83 Gc
's Gravenzande, *Netherlands* 44 Cb
Gray, *France

Great Falls, *Montana* 87 Hb
Great Geysir, *Iceland* 46 Vm
Great Lake. See Tonle Sap
Great N. Mts., *W.Va., etc.* 86 Ac
Great Pt., *Massachusetts* 86 Eb
Great Rapids, *Manitoba* 80 Mf
Great Salt L., *Utah* 87 Ge
Great Salt Lake Des., *Utah* 87 Ge
Great Sandy Des., *W. Aust.* 94 Dd
Great Sandy I. (Fraser I.), *Queensland* 95 Ke
Great Slave L., *N.-W. Terr.* 80 Jd
Great Smoky Mts. Nat. Park, *Tenn./N. Car.* 85 Kd
Great South B., *New York* 86 Db
Great Torrington, *England* 31 Ek
Great Victoria Des., *W. Aust.* 94 Ee
Great Wass I., *Maine* 82 Ed
Great Yarmouth, *England* 31 Jk
Grebbestad, *Sweden* 47 Dg
Greco C., *Cyprus* 74 Cc
Greece, *S. Europe* 43 Nj
Greeley, *Colorado* 84 Fc
Green B., *Wisconsin* 83 Cc
Green Mts., *Vermont* 83 Kd
Green R., *Utah* 84 Ed
Green Bay, *Wisconsin* 83 Cc
Greenfield, *Indiana* 83 Df
Greenfield, *Massachusetts* 83 Kd
Greenland, *N. America* 39 Pb
Greenland Sea, *Greenland* 39 Mb
Greenock, *Scotland* 30 De
Greenport, *New York* 83 Ke
Greensboro, *N. Carolina* 85 Ld
Greensburg, *Pennsylvania* 86 Ab
Greenville, *Alabama* 85 Je
Greenville, *Liberia* 78 Dg
Greenville, *Maine* 82 Dd
Greenville, *Michigan* 83 Dd
Greenville, *Mississippi* 85 He
Greenville, *S. Carolina* 85 Ke
Greenville, *Texas* 84 Ge
Greenwich, *Connecticut* 86 Db
Greenwich, *England* 31 Hj
Greenwich, *Rhode Island* 86 Eb
Greenwood, *Mississippi* 85 He
Greenwood, *S. Carolina* 85 Ke
Greenwood, *Wisconsin* 83 Ac
Greenwood L., *N.Y.-N.J.* 86 Cb
Gregory Ra., *Queensland* 95 Hc
Griefen See, *Switzerland* 45 Da
Greifswald, *Germany* 48 Ea
Grein, *Austria* 48 Fd
Greiz, *Germany* 48 Ec
Grenaa, *Denmark* 47 Dh
Grenada, I., *Windward Is.* 89 Gd
Grenadines, Is., *Windward Is.* 89 Gd
Grenchen, *Switzerland* 45 Ca
Grenoble, *France* 53 Fd
Grenville, C., *Queensland* 95 Hb
Gretna, *Louisiana* 85 Hf
Grevelingen, *Netherlands* 44 Cc
Grevená, *Greece* 57 Cd
Grey Ra., *Qnsld.-N.S.W.* 95 He
Greylock Mt., *Massachusetts* 86 Da
Greymouth, *New Zealand* 93 Ce
Greys Butte. See Juniper Mt.
Greystones, *Eire* 31 Cg
Greytown, *New Zealand* 93 Ed
Greytown. See San Juan del Norte
Griesalp, *Switzerland* 45 Cb
Griffin, *Georgia* 85 Ke
Griffith, *New South Wales* 95 Jf
Grim C., *Tasmania* 95 Hh
Grimsby, *England* 38 He
Grimstad, *Norway* 47 Cg
Grindelwald, *Switzerland* 45 Db
Grindstone, *Michigan* 83 Ec
Grinnell Ld., *Arctic Ocean* 39 Qa
Grinnell Pen., *N.-W. Terr.* 80 Na
Griquatown, *Cape Province* 75 Ce
Grīva, *Latvia* 47 Mj
Grobiņa, *Latvia* 47 Jh
Gröbming, *Austria* 48 Ee
Grodno, *Belorussia* 60 Ce
Grodzisk, *Poland* 49 Gb
Groenlo, *Netherlands* 44 Eb
Groix, *I. de, France* 52 Bc
Groningen & prov., *Netherlands* 44 Ea
Grono, *Switzerland* 45 Eb
Groote Eylandt, *N.Terr., Aust.* 95 Gb
Grootfontain, *S.-W. Africa* 75 Be
Grootfontein, *S.-W. Africa* 75 Bc
Groot Natuna I. See Bunguran Kep.
Grossevichi, *Russia* 59 Nd
Gross Glockner, *Austria* 48 Ee
Grosswardein. See Oradea
Groton, *New York* 86 Ba
Groznyy, *Russia* 58 Dd
Grudziądz, *Poland* 49 Hb
Grüsch, *Switzerland* 45 Eb
Gruz, *Yugoslavia* 56 Bc
Gruzinskaya rep., *U.S.S.R.* 58 Dd
Grybów, *Poland* 49 Jd
Gsteig, *Switzerland* 45 Cb
Guabito, *Panama* 89 Ce
Guacanayabo, G. de, *Cuba* 89 Db
Guachipas, *Argentina* 92 Cc
Guadalaja, *Spain* 50 Db
Guadalajara, *Mexico* 88 Dc
Guadalcanal, *Spain* 50 Cc
Guadalcanal, I., *Solomon Is.* 98 Eh
Guadalcazar, *Mexico* 88 Dc
Guadalquivir, R., *Spain* 50 Cd
Guadalupe, *Mexico* 88 D
Guadalupe, I., *Leeward Is.* 89 Gc
Guadalupe I., *Mexico* 88 Ab
Guadalupe Mts., *New Mexico-Texas* 84 Ee
Guadalupe R., *Texas* 84 Gf
Guadalupe-y-Calvo, *Mexico* 88 Cb
Guadarrama, *Spain* 50 Cb
Guadarrama, Sa. de, *Spain* 50 Db
Guadiana, R., *Spain* 50 Bc
Guadix, *Spain* 50 Dd
Guafo & G de, *Chile* 92 Bf
Guaitecas, Is., *Chile* 92 Bf
Guajar-á-Mirim, *Brazil* 90 Df
Guajaratuba, *Brazil* 90 Ee
Gualeguaychu, *Argentina* 92 Ed
Guam, I., *Pacific Ocean* 98 Df
Guamá, *Brazil* 91 Hd
Guamini, *Argentina* 92 De
Guamo, *Colombia* 90 Cc
Guanabaçoa, *Cuba* 89 Cb
Guanacevi, *Mexico* 88 Cb
Guanahani. See San Salvador, *Bahamas*
Guanajuato, *Mexico* 88 Dc
Guanare, *Venezuela* 90 Db
Guanarito, *Venezuela* 90 Db
Guandacol, *Argentina* 92 Cc
Guane, *Cuba* 89 Cb
Guanica, *Puerto Rico* 89 Fc
Guanta. See Puerto La Cruz
Guantanamo, *Cuba* 89 Db
Guapi, *Colombia* 90 Bc
Guapiles, *Costa Rica* 89 Cd
Guapore, *Brazil* 92 Fc
Guapore (Rondonia), *Brazil* 90 Ef
Guapore, R., *Brazil-Bolivia* 90 Ef
Guaqui, *Bolivia* 90 Dg
Guarapuava, *Brazil* 92 Fc
Guarda, *Portugal* 50 Bb
Guasdualito, *Venezuela* 90 Cb
Guasipati, *Venezuela* 90 Eb
Guatemala, *Guatemala* 88 Fe
Guatemala, rep., *Cent. America* 88 Fe
Guatrache, *Argentina* 92 De
Guaviare, R., *Colombia* 90 Dc
Guaxupe, *Brazil* 91 Hh
Guayabal, *Venezuela* 90 Db
Guayama, *Puerto Rico* 89 Fc
Guayaquil, *Ecuador* 90 Bd
Guaymas, *Mexico* 88 Bb
Guben, *Germany* 48 Fc
Gubin. See Guben
Gudiyatam, *India* 68 Ef
Guelma, *Algeria* 78 Ga
Guelph, *Ontario* 83 Fd
Guemes, *Argentina* 92 Cb
Guéret, *France* 52 Dc
Guernsey, I., *Channel Is.* 52 Bb
Guernsey Res., *Wyoming* 84 Fc
Guerrero, *Mexico* 88 Cb
Guerrero, *Tamaulipas, Mex.* 88 Eb
Guerrero, state, *Mexico* 88 Dd
Gugera, *W. Pakistan* 70 Ce
Guiana Highlands, *S. America* 90 Ec
Guija, *Moçambique* 75 Ed
Guildford, *England* 31 Gj
Guilford, *Maine* 82 Dd
Guillaumes, *France* 53 Gd
Guimaraes, *Brazil* 91 Jd
Guimarães, *Portugal* 50 Ab
Guinea, *West Africa* 78 Cf
Guinea, G. of, *N.-W. Africa* 76 Ad
Guines, *Cuba* 89 Cb
Guingamp, *France* 52 Bb
Guiria, *Venezuela* 90 Ea
Guisanbourg, *Fr. Guiana* 91 Gc
Guise, *France* 52 Eb
Guisisil, Vol., *Nicaragua* 89 Bd
Gujar Khan, *W. Pakistan* 70 Cd
Gujranwala, *W. Pakistan* 70 Dd
Gujrat, *W. Pakistan* 70 Dd
Gulbarga, *India* 68 Ee
Gulbene, *Latvia* 47 Mh
Gulfport, *Mississippi* 85 Je
Gulistan, *W. Pakistan* 68 Cb
Gul Koh, *Afghanistan* 73 Jc
Gull L., *Quebec* 81 Rg
Gulpen, *Netherlands* 44 Dd
Gulran, *Afghanistan* 73 Hb
Gulu, *Uganda* 77 Gd
Gumel, *Nigeria* 79 Gf
Gummersbach, *Germany* 48 Bc
Gümüljina. See Komotini
Gümüsane, *Turkey* 72 Ca
Guna, *India* 71 Ac
Gunchu, *Japan* 66 Ch
Gunisao R., *Manitoba* 80 Mf
Gunnedah, *N.S.W.* 95 Kf
Guntakal, *India* 68 Ee
Guntur, *India* 68 Fe
Gurais, *Kashmir* 70 Dc
Gurdaspur, *India* 70 Dd
Gurgaon, *India* 70 Ef
Gurgl, *Austria* 48 De
Gurha, *India* 68 Dc
Gurkha, *Nepal* 71 Eb
Gurla Mandhata, Mt., *Tibet* 68 Fb
Gurnigel, *Switzerland* 45 Cb
Gursköy, *Norway* 46 Ae
Guru, *Tibet* 69 Gc
Gurupa, *Brazil* 91 Gd
Gurupa, I., *Brazil* 91 Gd
Guru Sikhar, *India* 68 Dd
Guryev, *Kazakhstan* 58 Ed
Gusev, *Lithuania* 47 Kj
Guspini, *Sardinia* 55 Bf
Güstrow, *Germany* 48 Eb
Guthrie, *Oklahoma* 84 Gd
Guttannen, *Switzerland* 45 Db
Guyana, *S. America* 90 Fc
Guyenne, prov., *France* 53 Dd
Guzman, *Mexico* 88 Dd
Gwa, *Burma* 69 He
Gwadar, *Iran* 73 He
Gwadar, *W. Pakistan* 68 Bc
Gwalior *India* 71 Bb
Gwanda, *Rhodesia* 75 Dd
Gweebarra B., *Eire* 31 Bf
Gwelo, *Rhodesia* 75 Dc
Gyangtse, *Tibet* 69 Gc
Gydanskiy Pol., *Russia* 85 Ga
Gympie, *Queensland* 95 Ke
Györ, *Hungary* 49 Ge
Gypsumville, *Manitoba* 80 Mf
Gyula, *Hungary* 49 Je
Gzhatsk, *Russia* 60 Jd
Haag, *Switzerland* 45 Ea
Haaksbergen, *Netherlands* 44 Eb
Haarlem, *Netherlands* 44 Cb
Habana, *Cuba* 89 Cb
Habban, *S. Yemen* 72 Eg
Habbaniyah, *Iraq* 72 Dc
Habigang, *E. Pakistan* 69 Hd
Haboro, *Japan* 66 Gb
Hachinohe, *Japan* 66 Gd
Hachuman, *Japan* 66 Eg
Hadasan, *Mongolia* 62 Da
Hadda, *Arabia* 72 Ce
Haddington, *Scotland* 30 Fe
Hadera, *Israel* 74 Ce
Haderslev, *Denmark* 47 Cj
Hadjin. See Saimbeyli
Haecht, *Belgium* 44 Cd
Haeju, *Korea* 62 Jc
Haelen, *Belgium* 44 Dd
Hafar, *Arabia* 72 Ed
Hafar al Ats, *Arabia* 72 Ed
Haffe. See Babenna
Hafnarfjördhur, *Iceland* 46 Vm
Hagen, *Germany* 48 Bc
Hageri, *Estonia* 47 Lg
Hagerstown, *Maryland* 86 Bc
Hagi, *Japan* 66 Bg
Hague, C. de la, *France* 52 Cb
Hague, The. See 's Gravenhage
Haibak, *Afghanistan* 73 Jb
Hai cheng, *China* 64 Lb
Haichow. See Tunghai
Haidar Pasha. See Kadiköy
Haifa, *Israel* 74 Ce
Haig, *W. Australia* 94 Ef
Hail, *Arabia* 72 Dd
Hailar, *China* 62 Ga
Haileybury, *Ontario* 83 Gb
Hailun, *China* 62 Ja
Hailuoto, *Finland* 46 Ld
Hainan I., *China* 65 En
Hainan Str., *China* 65 Dm
Hainaut, prov., *Belgium* 44 Bd
Haines, *Alaska* 80 De
Haipong, *N. Vietnam* 67 Db
Hair, *Arabia* 72 Ee
Haiten I., *China* 65 Jk
Haiti, rep., *West Indies* 89 Ec
Hajdúböszörmény, *Hungary* 49 Je
Hajima, Jebel, *Arabia* 72 Ce
Hajipur, *India* 71 Ec
Hajjar, *China* 62 Bc
Haka, *Burma* 69 Hd
Hakkâri, *Turkey* 72 Db
Hakodate, *Japan* 66 Gd
Hal, *Belgium* 44 Cd
Hala, *W. Pakistan* 68 Cc
Halacho, *Mexico* 88 Fc
Halaib, *Sudan* 72 Ce
Halba, *Lebanon* 74 Ec
Halbe, *Arabia* 72 Df
Halberstadt, *Germany* 48 Dc
Halden, *Norway* 47 Dg
Haleb. See Aleppo
Halebiye, *Syria* 72 Cb
Hali, *Arabia* 72 Df
Halia, *India* 71 Dc
Haliburton, *Ontario* 83 Gc
Halifax, *England* 38 Ee
Halifax & Harb., *N.S.* 82 Gd
Halifax B., *Queensland* 95 Jc
Halkett C., *Alaska* 85 Xk
Hall, *Germany* 48 Cd
Hall Is., *Caroline Is.* 98 Eg
Hall Ld., *Greenland* 39 Pa
Halle, *Germany* 48 Ec
Halle. See Hal
Hallein, *Austria* 48 Ee
Halley, B., *Antarctica* 100 Ab
Halliste, *Estonia* 47 Lg
Hällnäss, *Sweden* 46 Hd
Hallowell, *Maine* 82 Cd
Halls Creek, *W. Australia* 94 Ec
Hallstavik, *Sweden* 47 Hf
Hallviken, *Sweden* 46 Fe
Halmahera, I., *Indonesia* 63 Jk
Halmstad, *Sweden* 47 Eh
Halsa, *Norway* 46 Ce
Hälsingborg, *Sweden* 47 Eh
Halys, C. See Bafra Br.
Hama, *Syria* 74 Eb
Hamada, *Japan* 66 Cg
Hamadan, *Iran* 72 Ec
Hamam, *Arabia* 72 Ee
Hamamatsu, *Japan* 66 Eg
Hamar, *Arabia* 72 Ee
Hamar, *Norway* 47 Df
Hambantota, *Ceylon* 68 Fg
Hamburg, *Germany* 48 Db
Hamburg, *New York* 86 Aa
Hamburg, *Pennsylvania* 86 Cb
Hamdānīya, *Syria* 74 Eb
Hämeenlinna, *Finland* 47 Lf
Hameln, *Germany* 48 Cb
Hamersley Ra., *W. Aust.* 94 Cd
Hami, *S. Yemen* 72 Eg
Hamidan, *Arabia* 73 Fe
Hamidiya, *Syria* 74 Dc
Hamilton, *New York* 86 Ca
Hamilton, *New Zealand* 93 Eb
Hamilton, *Ohio* 83 Df
Hamilton, *Ontario* 83 Gd
Hamilton, *Scotland* 30 Ee
Hamilton, *Victoria* 95 Hg
Hamilton Inl., *Labrador* 81 Vf
Hamilton R., *Labrador* 81 Uf
Hamina, *Finland* 47 Mf
Hamirpur, *India* 71 Cc
Hamm, *Germany* 48 Bc
Hammān, *Iraq* 72 Dc
Hamme, *Belgium* 44 Cc
Hammerdal, *Sweden* 46 Fe
Hammerfest, *Norway* 46 Ka
Hammond, *Indiana* 83 Ce
Hammond, *New Brunswick* 82 Ec
Hammonton, *New Jersey* 86 Cc
Hamont, *Belgium* 44 Dc
Hampden, *New Zealand* 93 Cf
Hampshire, co., *England* 31 Gj
Hampton, *New Brunswick* 82 Fd
Hampton, *New Hampshire* 82 Ce
Hamun-i-Helmand, *Iran-Afghanistan* 73 Hc
Hamun-i-Puzak, *Afghanistan* 73 Hc
Han, *Belgium* 44 Dd
Hanakiya, *Arabia* 72 Dd
Hanau, *Germany* 48 Cc
Hanchung, *China* 64 Cf
Hancock, *Michigan* 85 Jb
Hancock, *New York* 86 Cb
Handegg, *Switzerland* 45 Db
Handeni, *Tanzania* 77 Hf
Hanford, *California* 87 Dg
Hanford, *Washington* 87 Db
Hangchow, *China* 65 Kg
Hangchow B., *China* 64 Kg
Hangu, *W. Pakistan* 70 Bd
Han Kiang, *China* 62 Ed
Hankö & Fd., *Finland* 47 Kg
Hankow, *China* 64 Gg
Hanle, *Kashmir* 68 Eb
Hanmer, *New Zealand* 93 De
Hanna, *Alberta* 80 Jf
Hannibal, *Missouri* 85 Hd
Hannover, *Germany* 48 Cb
Hannut, *Belgium* 44 Dd
Hanöbukten, *Sweden* 47 Fj
Hanoi, *N. Vietnam* 67 Db
Hanover, *Ontario* 83 Fc
Hanover, *Pennsylvania* 86 Bc
Hanover, I., *Chile* 92 Bh
Hansi, *India* 70 Ef
Hansweert, *Netherlands* 44 Cc
Hanumangarh. See Bhatnair
Hanyang, *China* 65 Gg
Hanyin, *China* 64 Df
Hao, I., *Tuamotu Arch.* 99 Lj
Haparanda, *Sweden* 46 Ld
Hapur, *India* 70 Ef
Haqal, *Arabia* 72 Bd
Haraiya, *India* 71 Db
Harak, *Arabia* 72 Cd
Harar, *Ethiopia* 77 Jc
Harardera, *Somalia* 77 Kd
Hara Usu Nur, *Mongolia* 62 Ba
Harbin. See Pinkiang
Harbor Beach, *Michigan* 83 Ed
Harbor Spring, *Michigan* 83 Dc
Harburg Wilhelmsburg, *Ger.* 48 Cb
Harda, *India* 68 Ed
Hardanger Fd., *Norway* 47 Bf
Hardangervidder, *Norway* 47 Bf
Hardenberg, *Netherlands* 44 Eb
Harderwijk, *Netherlands* 44 Db
Harding, *Natal* 75 Ef
Hardoi, *India* 71 Cb
Hardwar, *India* 70 Ff
Hardy, Pen., *Chile* 92 Cj
Hare B., *Newfoundland* 82 La
Hare, I. See I. aux Lièvres
Hareidland, *Norway* 46 Ae
Hare Indian R., *N.-W. Terr.* 80 Fc
Hargeisa, *Somalia* 77 Jc
Hari, R., *Sumatra* 63 Dl
Harian, *Iran* 73 Fb
Harib, *Arabia* 72 Ef
Harihar, *India* 68 Ef
Harim, *Syria* 74 Ea
Haripur, *W. Pakistan* 70 Cd
Hariq, *Arabia* 72 Ee
Harishpur, *India* 69 Gd
Harlan, *Kentucky* 85 Kd
Harlebeke, *Belgium* 44 Bd
Harlequin Hills, *Nevada* 87 De
Harlingen, *Netherlands* 44 Da
Harmanli. See Kharmanli
Harney, L., *Oregon* 87 Dd
Harney Basin, *Oregon* 84 Bc
Harnösand, *Sweden* 46 Ge
Harper, *Liberia* 78 Dh
Harran, *Turkey* 72 Cb
Harrington Harbour, *Quebec* 82 Ja
Harris, & Sd. of, *Scotland* 30 Cc
Harrisburg, *Pennsylvania* 86 Bb
Harrison, *Michigan* 83 Dc
Harrison, C., *Labrador* 81 Vf
Harrison, L., *Brit. Columbia* 80 Gg
Harrisonburg, *Virginia* 85 Ld
Harrisville, *Michigan* 83 Ec
Harrogate, *England* 31 Fg
Har Sagī, *Israel* 74 Cg
Hârşova, *Rumania* 56 Fb
Harsprånget, *Sweden* 46 Jc
Harstad, *Norway* 46 Gb
Hart, *Michigan* 83 Cd
Hartford, *Connecticut* 86 Db
Hartland, *New Brunswick* 82 Ec
Hartlepool, *England* 31 Gf
Harvard, *Illinois* 83 Bd
Harvard, Mt., *Colorado* 84 Ed
Harvey, *New Brunswick* 82 Ed
Harwich, *England* 31 Hj
Haryana, *state, India* 70 Dd
Harz, Mts., *Germany* 48 Dc
Hasā, *Jordan* 74 Dg
Hasan D., *Turkey* 72 Bb
Hasanpur, *India* 71 Ba
Hasbaya, *Lebanon* 74 Dd
Hassan, *India* 68 Ef
Hasselt, *Belgium* 44 Dd
Hasselt, *Netherlands* 44 Eb
Hastiere, *Belgium* 44 Cd
Hastings, *England* 31 Hk
Hastings, *Michigan* 83 Dd
Hastings, *Minnesota* 85 Hc
Hastings, *Nebraska* 84 Gc
Hastings, *New Zealand* 93 Fc
Hatay, *Turkey* 72 Cb
Hateg, *Rumania* 56 Db
Hatha, *Arabia* 72 De
Hathras, *India* 71 Bb
Ha-tinh, *N. Vietnam* 67 Dc
Hatteras, C., *N. Carolina* 85 Ld
Hattiesburg, *Mississippi* 85 Je
Hatton Headline, *N.-W. Terr.* 81 Ud
Hatvan, *Hungary* 49 He
Hat Yai, *Thailand* 63 Dj
Haudères, les, *Switzerland* 45 Cb
Haugesund, *Norway* 47 Ag
Haukipudas, *Finland* 46 Ld
Hauki vesi, *Finland* 46 Ne
Haura, *S. Yemen* 72 Eg
Hauraki Gulf, *New Zealand* 93 Eb
Hauroko, L., *New Zealand* 93 Af
Hausa, *Jordan* 74 Fh
Hausstock, Mt., *Switzerland* 45 Eb
Haut, Isle, *Maine* 82 Dd
Hauta, *S. Yemen* 72 Eg
Hauta, *Arabia* 72 Ee
Haut Atlas, Mts., *Morocco* 78 Db
Haut-Garonne, dep., *France* 53 De
Haut-Loire, dep., *France* 53 Ed
Haut-Marne, dep., *France* 52 Fb
Hautes, Alpes, dep., *France* 53 Gd
Haute-Saône, dep., *France* 52 Gc
Haute-Savoie, dep., *France* 52 Gc
Hautes-Pyrénées, dep., *Fr.* 53 De
Haute Vienne, dep. *France* 52 Dd
Haute Volta, *W. Africa* 78 Ef
Haut-Rhin, dep., *France* 52 Gc
Havana. See Habana
Havasu L., *Cal.-Ariz.* 87 Fh
Havelange, *Belgium* 44 Dd
Havelland, *Germany* 48 Eb
Havelock, *New Brunswick* 82 Fc
Havelock I., *Andaman Is.* 69 Hf
Havelock North, *N.Z.* 93 Fc
Haverfordwest, *Wales* 31 Dj
Haverhill, *Massachusetts* 86 Ea
Haverstraw, *New York* 86 Cb
Havre, *Belgium* 44 Cd
Havre, *Montana* 84 Eb
Havre de Grace, *Maryland* 86 Bc
Havre-St. Pierre, *Quebec* 81 Uf
Hawaii, I., *Hawaiian Is.* 99 Kf
Hawaiian Is., *Pacific Ocean* 98 Je
Hawea Flat, *New Zealand* 93 Bf
Hawera, *New Zealand* 93 Ec
Hawick, *Scotland* 30 Fe
Hawke B., *New Zealand* 93 Fc
Hawkesbury, *Ontario* 83 Jc
Hawr al Hammar, *Iraq* 72 Ec
Hawr Saniya, *Iraq* 72 Ec
Hay, *New South Wales* 95 Hf
Hay R., *Alberta* 80 He
Hayatpur, *India* 71 Fc
Hayes Pen., *Greenland* 39 Qb
Hay River, *N.-W. Terr.* 80 Hd
Hazara Highlands, *Afghan.* 73 Hc
Hazard, *Kentucky* 85 Kd
Hazaribagh, *India* 71 Ed
Hazaribagh Ra., *India* 71 Dd
Hazarjuft, *Afghanistan* 73 Hc
Hazawza, *Arabia* 72 Cc
Hazelton, *British Columbia* 80 Fe
Hazeva, *Israel* 74 Dg
Hazil, *Arabia* 72 Dd
Hazleton, *Pennsylvania* 86 Cb
Hazro, *W. Pakistan* 70 Cd
Heard I., *Indian Ocean* 96 Fk
Hearst, *Ontario* 81 Qg
Hebrides, Outer, *Scotland* 30 Bc
Hebron, *Labrador* 81 Ue
Hebron, *Jordan* 74 Df
Hecate Str., *Brit. Columbia* 80 Ef
Hecelchakan, *Mexico* 88 Fc
Hechingen, *Germany* 48 Cd
Hechtel, *Belgium* 44 Dc
Hector, Mt., *New Zealand* 93 Ed
Hede, *Sweden* 46 Ee
Hedemora, *Sweden* 47 Ff
Heemstede, *Netherlands* 44 Cb
Heer, *Netherlands* 44 Dd
Heerenveen, *Netherlands* 44 Db
Heerlen, *Netherlands* 44 Dd
Hegemann, C., *Greenland* 39 Nc
Heide, *Germany* 48 Ca
Heidelberg, *Germany* 48 Cd
Heidelburg, *Transvaal* 75 De
Heiden, *Switzerland* 45 Ea
Heijen, *Netherlands* 44 Dc
Heilbronn, *Germany* 48 Cd
Heinola, *Finland* 47 Mf
Heist, *Belgium* 44 Bc
Hejaz, *Arabia* 72 Ce
Hekla, Mt., *Iceland* 46 Wn
Helchteren, *Belgium* 44 Dc
Helder, Den, *Netherlands* 44 Cb
Helena, *Arkansas* 85 He
Helena, *Montana* 87 Gb
Helensburgh, *Scotland* 30 Dd
Helensville, *New Zealand* 93 Eb
Helgoland, I., *Germany* 48 Ba
Helgoländer Bucht, *Ger.* 48 Ba
Hell Gate, *British Columbia* 80 Fe
Hellin, *Spain* 51 Ec
Helmand Des., *Afghanistan* 73 Hc
Helmand R., *Afghanistan* 73 Hc
Helme, *Estonia* 47 Lh
Helmond, *Netherlands* 44 Dc
Helmsdale, *Scotland* 30 Eb
Helsingfors. See Helsinki
Helsingör, *Denmark* 47 Eh
Helsinki, *Finland* 47 Lf
Helston, *England* 31 Dk
Hemelum, *Netherlands* 44 Db
Hemnes, *Norway* 46 Ec
Hemse, *Sweden* 47 Hh
Hendaye, *France* 53 Ce
Henderson, *Kentucky* 85 Jd
Henderson, *New York* 83 Hd
Henderson I., *Pacific Ocean* 99 Nk
Hengam, I., *Iran* 73 Gd
Hengchow. See Hengyang
Hengelo, *Netherlands* 44 Eb
Henghsien, *China* 65 Dl
Hengshan, *China* 65 Fj
Hengyang, *China* 65 Fj
Henley-on-Thames, *England* 31 Gj
Henlopen, C., *New Jersey* 86 Cc
Hennebont, *France* 52 Bc
Henrietta Maria C., *Ontario* 81 Qf
Henrique de Carvalho, *Angola* 76 Ef
Henzada, *Burma* 69 Je
Heran, *Yemen* 72 Df
Herat, *Afghanistan* 73 Hc
Herau. See Herowabad
Hérault, dep., *France* 53 Ee
Herbert, *N.Z.* 93 Cf
Herbertville, *New Zealand* 93 Fd
Herbertville, *Quebec* 82 Cb
Herbesthal, *Belgium* 44 Ed
Herceg Novi, *Yugoslavia* 56 Bc
Heredia, *Costa Rica* 89 Cd
Hereford & co., *England* 31 Fh
Hereheretue, I., *Pacific Oc.* 99 Lj
Herford, *Germany* 48 Cb
Herinnes, *Belgium* 44 Cd
Heriot. See Edievale
Herisau, *Switzerland* 45 Ea
Herkimer, *New York* 86 Ca
Herma Ness, *Zetland* 30 Ja
Hermil, *Lebanon* 74 Ec
Hermitage B., *Newfoundland* 82 Kc
Hermite, Is., *Chile* 92 Cj
Hermon, Mt. See Sheikh
Hermosillo, *Mexico* 88 Bb
Herning, *Denmark* 47 Ch
Héron, *Belgium* 44 Dd
Heron I., *Queensland* 95 Kd
Herowabad, *Iran* 72 Eb
Herräng, *Sweden* 47 Hf
Herrera, *Argentina* 92 Dc
Herrera di Pisuerga, *Spain* 50 Ca
Hersey, *Michigan* 83 Dd
Hersselt, *Belgium* 44 Cc
Hertford & co., *England* 31 Gj
's Hertogenbosch, *Netherl'd.* 44 Dc
Herval. See Joacaba
Hervás, *Spain* 50 Cb
Hervé, *Belgium* 44 Dd
Hervey, B., *Queensland* 95 Kd
Hervey Is., *Cook Is.* 98 Jj
Herzberg, *Germany* 48 Ec
Herzliya, *Israel* 74 Ce
Herzogenbuchsee, *Switz.* 45 Ca
Hesdin, *France* 52 Ea
Heught, Mt., *N. Terr. Aust.* 94 Fd
Heusden, *Netherlands* 44 Dc
Hève, C. de la, *France* 52 Db
Hexham, *England* 30 Ff
Hiakiang, *China* 65 Dk
Hibbing, *Minnesota* 85 Hb
Hicks Bay, *New Zealand* 93 Gb
Hidalgo, *Mexico* 88 Eb
Hidalgo, state, *Mexico* 88 Ec
Hieflau, *Austria* 48 Fe
Hierro, I., *Canary Is.* 78 Bc
Highland Park, *Illinois* 83 Cd
High Point, *N. Carolina* 85 Ld
Hiimeji, *Japan* 66 Dg
Hiiumaa, *Estonia* 47 Kg
Hijar, *Spain* 51 Eb
Hikon, *Japan* 66 Eg
Hildeseheim, *Germany* 48 Cb
Hillah, al, *Iraq* 72 Dc
Hillman, *Michigan* 83 Ec
Hillsborough, *N. Brunswick* 82 Fd
Hilisdale, *Michigan* 83 De
Hillston, *N.S.W.* 95 Jf
Hilversum, *Netherlands* 44 Db
Hilyan, *Arabia* 72 De
Himachel Pradesh, *India* 70 Ee
Himalaya Mts., *India, etc.* 68 Eb
Himanka, *Finland* 46 Kd
Himare, *Albania* 57 Bd
Hindeloopen, *Netherlands* 44 Db
Hindubagh, *W. Pakistan* 68 Cb
Hindu Kush, Mts., *Afghanistan-W. Pakistan* 68 Da
Hindupur, *India* 68 Ef
Hingan. See Ankang
Hingan, *China* 62 Ha
Hinganghat, *India* 68 Ed
Hingho, *China* 64 Fb
Hinghwa, *China* 64 Jf
Hinghwa. See Putien
Hingi, *China* 65 Bk
Hinglaj, *W. Pakistan* 68 Cc
Hingol R., *W. Pakistan* 68 Cc
Hingoli, *India* 68 Ee
Hinis, *Turkey* 72 Db
Hinnöy, *Norway* 46 Fb
Hinsdale, *New Hampshire* 86 Da
Hiroo. See Birao
Hirosaki, *Japan* 66 Gd
Hiroshima, *Japan* 66 Cg
Hisaronu, *Turkey* 72 Ba
Hisban, *Jordan* 74 Df
Hispaniola, I., *West Indies* 89 Ec
Hissar, *India* 70 Df
Hissmofors, *Sweden* 46 Fe
Hisua, *India* 71 Ec
Hisya, *Syria* 74 Ec
Hit, *Iraq* 72 Dc
Hitra, *Norway* 46 Ce
Hivaoa, I., *Marquesas Is.* 99 Mh
Hiwasa, *Japan* 66 Dh
Hjälmaren, L., *Sweden* 47 Fg
Hjörring, *Denmark* 47 Ch
Hkamti, *Burma* 69 Jc
Hobart, *Tasmania* 95 Jh
Hoboken, *Belgium* 44 Cc
Hobro, *Denmark* 47 Ch
Hobsogol, *Mongolia* 59 Kc
Hochwan, *China* 65 Cg
Hodal, *India* 70 Eg
Hodeida, *Yemen* 72 Dg
Hodgson, *Manitoba* 80 Mf
Hódmezövasárhely, *Hungary* 49 Je
Hoek van Holland, *Netherlands* 44 Cc
Hof, *Germany* 48 Dc
Hofei, *China* 64 Hg
Höfs Jökull, *Iceland* 46 Wm
Hofuf, *Arabia* 72 Ed
Höganäs, *Sweden* 47 Eh
Hohe Tauern, *Austria* 48 Ee
Hohsien, *China* 65 Ek
Hoihong, *China* 65 Em
Hoihow, *Hai-Nan I.* 65 Em
Hokianga Harb., *N.Z.* 93 Da
Ho-kien-fu, *China* 64 Hc
Hokitika, *New Zealand* 93 Ce
Hokkaido I., *Japan* 66 Gc
Holbæk, *Denmark* 47 Dj
Holberg, *British Columbia* 80 Ff
Holguin, *Cuba* 89 Db
Holinkoerh, *China* 64 Eb
Holland, *Michigan* 83 Cd
Holland, *New York* 86 Aa
Holland, Noord, prov., *Netherlands* 44 Cb
Holland, Parts of, Lincs., *England* 31 Gh
Holland, Zuid, prov., *Netherlands* 44 Cb
Hollange, *Belgium* 44 De
Hollidaysburg, *Pennsylvania* 86 Ab
Hollogne, *Belgium* 44 Dd
Holly, *Michigan* 83 Ed
Hollywood, *California* 87 Dh
Holman Island, *N.-W. Terr.* 80 Hb
Holmestrand, *Norway* 47 Dg
Holmsund, *Sweden* 46 Je
Holstebro, *Denmark* 47 Ch
Holstein, *Germany* 48 Cb
Holsteinsborg, *Greenland* 39 Pc
Holten, *Netherlands* 44 Eb
Holwerd, *Netherlands* 44 Da
Holy I., *England* 30 Fe
Holy I., *Wales* 31 Dg
Holy Cross, *Alaska* 85 Wl
Holy Cross, Mt. of the, *Colo.* 84 Ed
Holyhead, *Wales* 31 Dg
Holyoke, *Massachusetts* 83 Kd
Home B., *N.-W. Territories* 81 Tc
Homer, *Alaska* 85 Xm
Homer, *New York* 83 Hd
Homestead, *Pennsylvania* 83 Ge
Homfray Str., *Andaman Is.* 69 Hf
Hommelvik, *Norway* 46 De
Homs, *Libya* 79 Hb
Homs, *Syria* 74 Ec
Honan. See Loyang
Honan, prov., *China* 64 Fe
Honda, *Colombia* 90 Cb
Honda, B., *Cuba* 89 Cb
Hondo, *Mexico* 88 Db
Honduras, rep., *C. America* 89 Bd
Honduras, C., *Honduras* 89 Bc
Honduras, G. of, *Brit. Hon.* 89 Bc
Hönefoss, *Norway* 47 Df
Honesdale, *Pennsylvania* 86 Cb
Honfleur, *France* 52 Db
Honghai B., *China* 65 Gl
Hong Kong (Gt. Br.), *China* 65 Gl
Honolulu, I., *Hawaiian Is.* 99 Ke
Honor, *Michigan* 83 Cc
Honshu I., *Japan* 66 Cg
Hood, Mt., *Oregon* 87 Cc
Hoofdplaat, *Netherlands* 44 Bc
Hooger Smilde, *Netherlands* 44 Eb
Hoogeveen, *Netherlands* 44 Eb
Hoogezand, *Netherlands* 44 Ea
Hooghalen, *Netherlands* 44 Eb
Hooghly, *India* 71 Gd
Hooghly R., *India* 71 Ge
Hook Hd., *Eire* 31 Ch
Hoopeston, *Illinois* 83 Ce
Hoorn, *Netherlands* 44 Db
Hoosick Falls, *New York* 83 Kd
Hoover Dam, *Arizona* 87 Fh
Hope, *British Columbia* 80 Gg
Hopedale, *Labrador* 81 Ue
Hopeh, prov., *China* 64 Gc
Hopen, I., *Barents Sea* 58 Ba
Hopes Advance C., *Quebec* 81 Td
Hopetoun, *W. Australia* 94 Df
Hope Town, *Andaman Is.* 69 Hf
Hopetown, *Cape Province* 75

Hormoz, *Iran* 73 Fd
Hormoz I., *Iran* 73 Gd
Hormuz, Str. of, *Arabia-Iran* 73 Gd
Horn, *Austria* 49 Fd
Horn, *Iceland* 46 Ul
Horn, C. See Hornos, C. de
Horn Mts., *N.-W. Terr.* 80 Hd
Hornavan, *Sweden* 46 Gc
Hornby, *New Zealand* 93 De
Hörnefors, *Sweden* 46 He
Hornell, *New York* 86 Ba
Hornopiren, Mt., *Chile* 92 Bf
Hornos, C. de, *Chile* 92 Cj
Hornsea, *England* 31 Gg
Horo, *Netherlands* 44 Dc
Horonobe, *Japan* 66 Gb
Horqueta, *Paraguay* 92 Eb
Horseheads, *New York* 86 Ba
Horsens, *Denmark* 47 Cj
Horse Shoe, *W. Australia* 94 Ce
Horsham, *England* 31 Gj
Horsham, *Victoria, Aust.* 95 Hg
Horšovský Týn, *Czech.* 48 Ed
Horst, *Netherlands* 44 Ec
Horten, *Norway* 47 Dg
Horton R., *N.-W. Terr.* 80 Gc
Hoşap, *Turkey* 72 Db
Hose Ra., *Sarawak* 63 Fk
Hoshangabad, *India* 71 Ad
Hoshiarpur, *India* 70 De
Hospel, *India* 68 Ee
Hospenthal, *Switzerland* 45 Db
Hossegor, *France* 53 Ce
Hoste, I., *Chile* 92 Cj
Hosur, *India* 68 Ef
Hotagen, *Sweden* 46 Fe
Hotseh, *China* 64 Ge
Hot Springs, *S. Dakota* 84 Fc
Hot Springs Nat. Park, *Ark.* 85 He
Hotton, *Belgium* 44 Dd
Houdelaincourt, *France* 52 Fb
Houffalize, *Belgium* 44 Dd
Houghton L., *Michigan* 83 Dc
Houlton, *Maine* 82 Ec
Hourn L., *Scotland* 34 Ee
Housatonic, R., *Connecticut* 86 Db
Houston, *Texas* 84 Gf
Houten, *Netherlands* 44 Db
Houtman Abrolhos, *W. Aust.* 94 Be
Howard, *Michigan* 83 Dd
Howard, *Pennsylvania* 86 Bb
Howell, *Michigan* 83 Ed
Howick, *Natal* 75 Ee
Howland I., *Pacific Ocean* 98 Hg
Howley, *Newfoundland* 82 Kb
Howrah, *India* 71 Gd
Hoy I., *Orkney* 30 Eb
Hoyes, *Spain* 50 Bb
Hoyt, *New Brunswick* 82 Ed
Hoyun, *China* 62 Ff
Hozat, *Turkey* 72 Cb
Hrubieszów, *Poland* 49 Kc
Hsawnghsup. See Thaungdut
Hsenwi, *Burma* 69 Jd
Hsiachwan Shan, *China* 65 Fm
Hsi-an. See Sian
Hsi-ch'ang. See Sichang
Hsinchu, *Taiwan* 65 Kk
Hsi-ning. See Sining
Hsinking. See Changchun
Hsipaw, *Burma* 69 Jd
Hsüchang, *China* 64 Ff
Hsuchow. See Hsüchang
Huachi, *Bolivia* 90 Dg
Huacho, *Peru* 90 Bf
Huacrachuco, *Peru* 90 Be
Hualgayoc, *Peru* 90 Be
Hualien, *Taiwan* 65 Kl
Huanay, *Bolivia* 90 Dg
Huancabamba, *Peru* 90 Be
Huancane, *Peru* 90 Dg
Huancavelica, *Peru* 90 Bf
Huancayo, *Peru* 90 Bf
Huanchaca, *Bolivia* 90 Dh
Huanchaco, *Peru* 90 Be
Huanta, *Peru* 90 Cf
Huanuco, *Peru* 90 Be
Huaonta, *Nicaragua* 89 Cd
Huara, *Chile* 92 Ca
Huaras, *Peru* 90 Be
Huards, L. aux, *Quebec* 82 Cb
Huariaca, *Peru* 90 Bf
Huario, *Peru* 90 Bf
Huarmey, *Peru* 90 Bf
Huasco, *Chile* 92 Bc
Huatusco. See Coatepec
Huaylas, *Peru* 90 Be
Hubli, *India* 68 Ee
Huchow, *China* 64 Kg
Huddersfield, *England* 31 Fg
Hudiksvall, *Sweden* 47 Gf
Hudson, *Maine* 82 Dd
Hudson, *New York* 86 Da
Hudson B., *Canada* 81 Pe
Hudson B., *Saskatchewan* 80 Lf
Hudson R., *New York* 86 Da
Hudson Str., *Canada* 81 Sd
Hudson Falls, *New York* 83 Kd
Hue, *S. Vietnam* 67 Dc
Huedin, *Rumania* 56 Da
Huehuetenango, *Guatemala* 88 Fd
Huejutla, *Mexico* 88 Ec
Huelva, *Spain* 50 Bd
Huércal Overa, *Spain* 51 Ed
Huete, *Spain* 51 Db
Hughenden, *Queensland* 95 Hd
Huhehot, *China* 64 Eb
Huiarau Ra., *New Zealand* 93 Fc
Hŭichŏn, *Korea* 62 Jb
Hukawng Valley, *Burma* 69 Jc
Hukow, *China* 62 Ge
Hukuntsi, *Botswana* 75 Cd
Hula L., *Israel* 74 Dd
Hulin. See Linkiang
Hull, *England* 31 Gg
Hull, *Quebec* 83 Jc
Hulst, *Netherlands* 44 Cc
Hulun. See Hailar
Hulun Chih, *China* 62 Ga
Hulutao, *China* 62 Hb
Huma, *China* 59 Mc
Humacao, *Puerto Rico* 89 Fc
Humaita, *Paraguay* 92 Ec
Humaita, *Brazil* 90 Ee
Humansdorp, *Cape Prov.* 75 Cf
Humay, *Peru* 90 Bf
Humbe. See Mutano
Humber R., *England* 31 Hg
Humbermouth, *Nfd.* 82 Kb
Humboldt, *Saskatchewan* 80 Kf
Humboldt B., *California* 84 Bc
Humboldt Glacier, *Greenl'd.* 39 Qb
Humboldt R., *Nevada* 87 De
Hume Res., *New S. Wales* 95 Jg
Humenne, *Czechoslovakia* 49 Jd
Humphreys, Mt., *California* 87 Dg
Hun, *Libya* 79 Jc
Hunafloi, *Iceland* 46 Vm
Hunan, prov., *China* 65 Ej
Hungary, *Central Europe* 43 Mg
Hungnam, *Korea* 62 Jc
Hungtze Hu, *China* 64 Jf
Hunsrück, Mts., *Germany* 48 Bd
Hunter Is., *Tasmania* 95 Hh
Huntingdon, *England* 31 Gh
Huntingdon & Peterborough, co., *England* 31 Gh
Huntingdon, *Pennsylvania* 86 Ab
Huntington, *Indiana* 83 De
Huntington, *New York* 86 Db
Huntington, *W. Virginia* 85 Kd
Huntly, *New Zealand* 93 Eb
Huntly, *Scotland* 30 Fc
Huntsville, *Alabama* 85 Je
Huntsville, *Ontario* 83 Gc
Hunucma, *Mexico* 88 Fc
Hun-yüan-chow, *China* 64 Fc
Hunza, *Kashmir* 70 Db
Huon Is., *Pacific Ocean* 98 Fj
Huon Pen., *New Guinea* 95 Ja
Hupeh, prov., *China* 64 Fg
Hurd, C., *Ontario* 83 Fc
Hurghada, *Egypt* 79 Mc
Huron, *S. Dakota* 84 Gc
Huron, L., *U.S.A.-Canada* 85 Kc
Huskvarna, *Sweden* 47 Fh
Husum, *Germany* 48 Ca
Hutchinson, *Kansas* 84 Gd
Hüttenberg, *Austria* 48 Fe
Huttwil, *Switzerland* 45 Ca
Huy, *Belgium* 44 Dd
Hvar, I., *Yugoslavia* 54 Fd
Hwahsien, *China* 65 Fl
Hwaian, *China* 64 Jf
Hwaijen, *China* 64 Fc
Hwaiking. See Tsinyang
Hwaining. See Anking
Hwaiyang, *China* 64 Gf
Hwaiyn. See Tsingkiang
Hwangchow. See Hwangkang
Hwang-Hai. See Yellow Sea
Hwang Ho, *China* 62 Gc
Hwang Ho, Mouth of, *China* 64 Jc
Hwanghsien, *China* 64 Kd
Hwangkang, *China* 64 Gg
Hweichow. See Sihsien
Hweimin, *China* 64 Hd
Hweinan, *China* 62 Jb
Hweitseh, *China* 65 Aj
Hwohsien, *China* 64 Ed
Hyden, *Kentucky* 86 Fb
Hyden, *W. Australia* 94 Cf
Hyde Park, *Vermont* 83 Kc
Hyderabad, *India* 68 Ee
Hyderabad, *W. Pakistan* 68 Cc
Hyères, *France* 53 Ge
Hyères, Is d', *France* 53 Ge
Hyland R., *Yukon* 80 Fd
Hyndman Pk., *Idaho* 84 Dc
Hyogo, *Japan* 66 Dg
Hyrynsalmi, *Finland* 46 Nd
Hythe, *England* 31 Hj
Iasi, *Rumania* 60 Eh
Iauarete, *Colombia* 90 Dc
I. aux Lièvres, *Quebec* 83 Lb
Ibadan, *Nigeria* 78 Fg
Ibague, *Colombia* 90 Bc
Ibarra, *Ecuador* 90 Bc
Ibb, *Yemen* 72 Dg
Ibembo, *Congo* 76 Ed
Ibicui, *Brazil* 92 Ec
Ibiza I., *Balearic Is.* 51 Fc
Ibresi, *Russia* 61 Hc
Ibri, *Muscat & Oman* 73 Ge
Ibwe Munyama, *Zambia* 75 Dc
Íca, *Peru* 90 Bf
Ica, R., *Brazil* 90 Dd
Içana, *Brazil* 90 Dc
Içel, *Turkey* 72 Bb
Iceland, I., *N. Atlantic Oc.* 42 Cb
Ichak, *India* 71 Ec
Ichang, *China* 64 Eg
Icheng, *China* 64 Fg
Ichow. See Lini
Ichun, *China* 65 Gj
Idah, *Nigeria* 78 Gg
Idaho, state, *U.S.A.* 84 Cc
Idaho Falls, *Idaho* 87 Gd
Ideles, *Algeria* 78 Gd
Idfu, *Egypt* 79 Md
Idhra, I., *Greece* 57 Df
Idirtu, *China* 62 Cc
Idlib, *Syria* 74 Eb
Idutywa, *Cape Province* 75 Df
Ieper, *Belgium* 44 Ad
Ierissós, G. of, *Greece* 57 Dd
Ifakara, *Tanzania* 77 Hf
Iférouane, *Niger* 78 Ge
Ifni, terr., *N.-W. Africa* 78 Cc
Igan, *Sarawak* 63 Fk
Igarapé Miri, *Brazil* 91 Hd
Igarka, *Russia* 58 Hb
Ighil-Izane, *Algeria* 78 Fa
Iglesias, *Sardinia* 55 Bf
Igli, *Algeria* 78 Eb
Igloolik, *N.-W. Terr.* 81 Qc
Igoma, *Tanzania* 77 Gf
Igra, *Russia* 61 Lb
Iguaçú & R., *Brazil* 92 Fc
Iguala, *Mexico* 88 Ed
Iguapé, *Brazil* 92 Gb
Iguatu, *Brazil* 91 Ke
Igumira, *Tanzania* 77 Gf
Ihosy, *Madagascar* 77 Nl
Ihtiman, *Bulgaria* 56 Dc
Iida, *Japan* 66 Eg
Iisalmi, *Finland* 46 Me
Ijebu-Ode, *Nigeria* 78 Fg
Ijselmonde, *Netherlands* 44 Cc
Ijselmuiden, *Netherlands* 44 Db
Ijselstein, *Netherlands* 44 Db
Ijssel Meer, *Netherlands* 44 Db
Ijssel R., *Netherlands* 44 Eb
Ijui, *Brazil* 92 Fc
Ijzendijke, *Netherlands* 44 Bc
Ikaría, I., *Greece* 57 Ff
Ikisu, *Tanzania* 77 Ge
Ikla, *Estonia* 47 Lh
Ikushumbet, *Japan* 66 Gc
Ilagan, *Philippines* 63 Hg
Ilam, *Nepal* 71 Fb
Ilam, *Iran* 72 Ec
Ilanz, *Switzerland* 45 Eb
Ilawa, *Poland* 49 Hb
Ilawka, *Poland* 49 Ja
Ilbunga, *S. Australia* 95 Ge
Ile-á-la Crosse, L., *Sask.* 80 Ke
Ile-de-France, prov., *France* 52 Eb
Ile Mayotte, I., *Archipel des Comores* 77 Kg
Ilfracombe, *England* 31 Ej
Ilhavo, *Portugal* 50 Ab
Ilhéus, *Brazil* 91 Kf
Ili, *Kazakhstan* 58 Gd
Ilía, *Greece* 57 Cf
Ilic, *Turkey* 72 Cb
Ilich, *Kazakhstan* 58 Fd
Ilikotu. See Hingan
Ilimsk, *Russia* 59 Kc
Iliodhrómia, I., *Greece* 57 De
Ilion, *New York* 86 Ca
Illapel, *Chile* 92 Bd
Ille-et-Vilaine, dep., *France* 52 Cb
Illescas, *Spain* 50 Db
Illimani, Mt., *Bolivia* 90 Dg
Illinois, state, *U.S.A.* 85 Hd
Illora, *Spain* 50 Dd
Il'men', Ozero, *Russia* 60 Gb
Ilo, *Peru* 90 Cg
Iloilo, *Philippines* 63 Hh
Ilorin, *Nigeria* 78 Fg
Ilpi, *Russia* 59 Sb
Imabari, *Japan* 66 Cg
Iman, *Russia* 59 Nd
Imandra, Ozero, *Russia* 58 Cb
Imerimandroso, *Madagascar* 77 Nk
Imi, *Ethiopia* 77 Jc
Immendingen, *Germany* 48 Ce
Imperatriz, *Brazil* 90 De
Imperatriz, *Brazil* 91 He
Imperia, *Italy* 54 Bd
Imperial Dam, *Arizona* 84 De
Imphal, *India* 69 Hd
Imroz, I., *Turkey* 72 Aa
Imtan, *Syria* 74 Ee
Inagua, I. Gt., *Bahama Is* 89 Eb
Inagua, I. Lit., *Bahama Is.* 89 Eb
Inari & L., *Finland* 46 Mb
Inchkeith, *Scotland* 30 Ed
Inchŏn, *Korea* 62 Jc
Incourt, *Belgium* 44 Cd
Indaal, L., *Scotland* 30 Ce
Indalsälven, *Sweden* 46 Ge
Indaw, *Burma* 69 Jd
Indawgyi L., *Burma* 69 Jc
Independence, *Kansas* 84 Gd
Independencia, *Argentina* 92 Cd
India, rep., *S. Asia* 68-69
Indian Des. See Thar Des.
Indiana, *Pennsylvania* 86 Ab
Indiana, state, *U.S.A.* 85 Jc
Indianapolis, *Indiana* 83 Cf
Indian Head, *Saskatchewan* 80 Lf
Indian House L., *Quebec* 81 Ue
Indian L., *New York* 86 Ca
Indiga, *Russia* 58 Db
Indigirka, R., *Russia* 59 Pb
Indonesia, *S.-E. Asia* 63 Fl
Indore, *India* 68 Ed
Indre, dep., *France* 52 Dc
Indre-et-Loire, dep., *France* 52 Dc
Indur. See Nizamabad
Indus, R., *W. Pakistan, etc.* 68 Cd
Inebolu, *Turkey* 72 Ba
Ingelmunster, *Belgium* 44 Bd
Ingersoll, *Ontario* 83 Fd
Ingham, *Queensland* 95 Jc
Inglefield Inlet, *Greenland* 39 Qb
Inglefield Ld., *Greenland* 39 Qb
Inglewood, *New Zealand* 93 Ec
Ing Luiggi, *Argentina* 92 De
Ingolstadt, *Germany* 48 Dd
Ingrid Christensen Coast, *Antarctica* 100 Fb
Inhambane, *Moçambique* 75 Fd
Inishark I., *Eire* 31 Ag
Inishbofin, I., *Eire* 31 Ag
Inishkea I., *Eire* 31 Af
Inishman, I., *Eire* 31 Ag
Inishmore, I., *Eire* 31 Ag
Inishmurray, I., *Eire* 31 Bf
Inishtrahull, *Eire* 30 Ce
Inishturk, I., *Eire* 31 Ag
Injune, *Queensland* 95 Je
Inklin R., *British Columbia* 80 Ee
Innertkirchen, *Switzerland* 45 Db
Innisfail, *Queensland* 95 Jc
Innsbruck, *Austria* 48 De
Inoucdjouac, *Quebec* 81 Re
Inowrocław, *Poland* 49 Hb
Inquisivi, *Bolivia* 90 Dg
Ins, *Switzerland* 45 Ca
In Salah, *Algeria* 78 Fc
Insar, *Russia* 61 Gd
Insein, *Burma* 69 Je
In Shan. See Yin Shan
Insterburg. See Chernyakhovsk
Intelewa, *Surinam* 91 Fc
Interlaken, *Switzerland* 45 Cb
Interview I., *Andaman Is.* 69 Hf
Intragna, *Switzerland* 45 Db
Inutil, B., *Chile* 92 Ch
Inuvik, *Yukon* 80 Ec
Inveraray, *Scotland* 30 Dd
Invercargill, *New Zealand* 93 Bg
Inverell, *New S. Wales* 95 Ke
Inverness, *Nova Scotia* 82 Hc
Inverness & co., *Scotland* 30 Ec
Inverurie, *Scotland* 30 Fc
Investigator Str., *S. Aust.* 95 Gg
Inyati, *Rhodesia* 75 Dc
Inza, *Russia* 61 Hd
Inzer, *Russia* 61 Nc
Ioannina, *Greece* 57 Ce
Iola, *Kansas* 84 Gd
Iona, *Nova Scotia* 82 Hd
Iona I., *Scotland* 30 Cd
Ionia, *Michigan* 83 Dd
Ionian Is., *Greece* 57 Be
Ionian Sea, *Italy, etc.* 43 Mj
Ionishkis, *Lithuania* 47 Kh
Ios, I., *Greece* 57 Ef
Iowa, state, *U.S.A.* 85 Hc
Ipala, *Mexico* 88 Cc
Ipameri, *Brazil* 91 Hg
Ipen. See Ypres
Ipiales, *Colombia* 90 Bc
Ipin, *China* 65 Bh
Ipiros, *Greece* 57 Ce
Ipoh, *W. Malaysia* 67 Cf
Ippy, *Cent. Afr. Rep.* 79 Kg
Ipswich, *England* 31 Hh
Ipswich, *Queensland* 95 Ke
Ipu, *Brazil* 91 Jd
Iquique, *Chile* 92 Bb
Iquitos, *Peru* 90 Cd
Iracoubo, *French Guiana* 91 Gb
Iráklia, I., *Greece* 57 Ef
Iráklion, *Crete* 57 Eg
Iran, *Asia* 73 Fc
Irapa, *Venezuela* 90 Ea
Irapuato, *Mexico* 88 Dc
Iraq, *Asia* 72 Dc
Irazu, Vol., *Costa Rica* 89 Cd
Irbid, *Jordan* 74 De
Irbit, *Russia* 61 Rb
Ireland, Rep. of (Eire) 31 Bg
Irendyk Mts., *Russia* 61 Ne
Irgiz, *Kazakhstan* 58 Fd
Irian Barat, *Indonesia* 41 Nj
Irikinskiy, *Russia* 61 Pe
Iringa, *Tanzania* 77 Hf
Irish Sea, *British Isles* 31 Dg
Irkutsk, *Russia* 59 Kc
Irondale, *Ontario* 83 Gc
Iron Knob, *S. Australia* 95 Gf
Iron Mountain, *Michigan* 83 Cc
Iron River, *Michigan* 83 Bb
Ironton, *Ohio* 85 Kd
Ironwood, *Michigan* 83 Ab
Iroquois, *Ontario* 83 Jc
Iroquois Chute, *Quebec* 83 Kb
Irrawaddy, *Burma* 69 He
Irrawaddy, R., *Burma* 69 He
Irtysh, R., *Russia* 58 Fc
Irumu, *Congo* 77 Fd
Isabela I., *Galapagos Is.* 99 Rh
Isaccea, *Rumania* 56 Gb
Isafjördhur, *Iceland* 46 Ul
Isai Kalat, *W. Pakistan* 68 Bc
Isa Khel, *W. Pakistan* 70 Bd
Isangi, *Congo* 76 Ed
Isari, *Greece* 57 Df
Ischia, I., *Italy* 55 De
Ise, *Japan* 66 Eg
Ise B., *Japan* 66 Eg
Iseghem. See Izegem
Iselin, *Pennsylvania* 86 Ab
Iseltwald, *Switzerland* 45 Cb
Isère, dep. & R., *France* 53 Fd
Isernia, *Italy* 55 Ee
Isfandaqeh. See Gāv Koshī
Isha Baidao, *Somalia* 77 Jd
Ishan, *China* 65 Dk
Ishikari, *Japan* 66 Hc
Ishim, *Russia* 58 Fc
Ishimbai, *Russia* 61 Nd
Ishinomaki B., *Japan* 66 Ge
Ishkamish, *Afghanistan* 73 Jb
Ishkanan, *Iran* 73 Fd
Ishkasham, *Afghanistan* 73 Kb
Ishpeming, *Michigan* 83 Cb
Isil Kul, *Russia* 58 Gc
Isiolo, *Kenya* 77 Hd
Isisford, *Queensland* 95 Hd
Iskenderun, *Turkey* 72 Cb
Iskilip, *Turkey* 72 Ba
Iskitim, *Russia* 58 Hc
Iskut R., *British Columbia* 80 Ee
Islamabad, *Kashmir* 70 Dd
Islamabad, *West Pakistan* 70 Cd
Islampur, *India* 71 Ec
Island L., *Manitoba* 80 Nf
Island Pond, *Vermont* 83 Lc
Islands, B. of, *Newfoundland* 82 Jb
Islands, B. of, *New Zealand* 93 Ea
Islay I., *Scotland* 35 Dh
Isle of Man, *British Isles* 31 Ef
Isle Verte, *Quebec* 82 Dc
Ismailia, *Egypt* 79 Mb
Isna, *Egypt* 79 Mc
Isoka, *Zambia* 77 Gg
Isparta, *Turkey* 72 Bb
Israel, *West Asia* 74 Ce
Isriya, *Syria* 74 Fb
Issoudun, *France* 52 Dc
Issyk Kul, Ozero, *Kirgiz.* 58 Gd
Istanbul, *Turkey* 72 Aa
Istmina, *Colombia* 90 Bb
Istra, *Yugoslavia* 54 Dc
Itabaiana, *Brazil* 91 Ke
Itacare, *Brazil* 91 Kf
Itacoatiara, *Brazil* 90 Fd
Itaete, *Brazil* 91 Jf
Itaituba, *Brazil* 91 Fd
Itajai, *Brazil* 92 Gc
Itajui, *Brazil* 91 Hf
Italy, *Central Europe* 43 Kh
Itapaci, *Brazil* 91 Hf
Itapajé, *Brazil* 91 Kd
Itapecuru-mirim, *Brazil* 91 Jd
Itapemirim, Cachoeiro de, *Brazil* 91 Jh
Itapetininga, *Brazil* 91 Hh
Itapeva, *Brazil* 91 Hh
Itaqui, *Brazil* 92 Ec
Itarsi, *India* 68 Ed
Itasca, L., *Minnesota* 84 Gb
Itatubu, *Brazil* 90 Ee
Itauna, *Brazil* 91 Jh
Itéa, *Greece* 57 De
Ithaca, *Michigan* 83 Dd
Ithaca, *New York* 86 Ba
Ithāci. See Ithaka
Ithaka, *Greece* 57 Ce
Itiés, *Greece* 57 Cd
Ituaçu, *Brazil* 91 Jf
Itubera, *Brazil* 91 Kf
Itula, *Congo* 77 Fe
Iturbe, *Argentina* 92 Cb
Iturup, I., *Kuril Is.* 39 De
Ivailovgrad, *Bulgaria* 56 Fd
Ivanhoe, *New South Wales* 95 Hf
Ivanic Grad, *Yugoslavia* 54 Fc
Ivano-Frankovsk (Stanislav), *Russia* 60 Dg
Ivanovka, *Russia* 61 Kd
Ivanovo, *Russia* 60 Mc
Ivdel, *Russia* 58 Fb
Iviza I. See Ibiza I.
Ivory Coast, *West Africa* 78 Dg
Ivugivik, *Quebec* 81 Rd
Iwakuni, *Japan* 66 Cg
Iwaniska, *Poland* 49 Jc
Ixiamas, *Bolivia* 90 Df
Ixtla, *Mexico* 88 Ed
Ixtlan de Juarez, *Mexico* 88 Ed
Iyang, *China* 65 Hh
Iyo Nada, *Japan* 66 Bh
Izabal & L., *Guatemala* 88 Gd
Izegem, *Belgium* 44 Bd
Izhevsk, *Russia* 61 Lb
Izhma & R., *Russia* 58 Eb
Izki, *Muscat & Oman* 73 Ge
Izmail, *Ukraine* 60 Fj
Izmir, *Turkey* 72 Ab
Izmit, *Turkey* 72 Aa
Izra, *Syria* 74 Ee
Iztapa, *Guatemala* 88 Fe
Izu Pen, *Japan* 66 Fg
Izu Shichito, *Japan* 66 Fg
Izyum, *Ukraine* 60 Kg
Jääski. See Svetogorsk
Jabalpur, *India* 71 Cd
Jabbeke, *Belgium* 44 Bc
Jabbul, *Syria* 74 Fa
Jablonec, *Czechoslovakia* 48 Fc
Jaboti, *Brazil* 90 Fd
Jabrin Oasis, *Arabia* 72 Ee
Jaburú, *Brazil* 90 Dd
Jaca, *Spain* 51 Ea
Jacarezinho, *Brazil* 91 Hh
Jachal, *Argentina* 92 Cd
Jaci Paraná, *Brazil* 90 Ee
Jackson, *Michigan* 83 Dd
Jackson, *Mississippi* 85 He
Jackson, *Ohio* 83 Ef
Jackson, *Tennessee* 85 Jd
Jackson Mts., *Nevada* 87 De
Jacksonville, *Florida* 85 Ke
Jacksonville, *Illinois* 83 Af
Jacmel, *Haiti* 89 Ec
Jacobabad, *W. Pakistan* 68 Cc
Jacobina, *Brazil* 91 Jf
Jacques Cartier, Mt., *Que.* 82 Fb
Jacquet River, *N.B.* 82 Ec
Jade Mines, *Burma* 69 Jc
Jadib, *S. Yemen* 73 Ff
Jadotville, *Congo* 76 Fg
Jaén, *Spain* 50 Dd
Jafarabad, *India* 68 Dd
Jaffna, *Ceylon* 68 Eg
Jagadhri, *India* 70 Ee
Jagdispur, *India* 71 Ec
Jaghbub, *Libya* 79 Kc
Jagraon, *India* 70 De
Jaguarão, *Brazil* 92 Fd
Jaguari, *Brazil* 92 Fc
Jaguariaiva, *Brazil* 91 Hh
Jaguaruna, *Brazil* 92 Gc
Jahanabad, *India* 71 Ec
Jahangirabad, *India* 70 Ff
Jahra, *Kuwait* 72 Ed
Jahrom, *Iran* 73 Fd
Jaicos, *Brazil* 91 Je
Jaipur, *India* 68 Ec
Jaipur, *India* 69 Jc
Jais, *India* 71 Cb
Jaisalmer, *India* 68 Dc
Jajarm, *Iran* 73 Gb
Jajpur, *India* 69 Gd
Jäkkvik, *Sweden* 46 Gc
Jakobi, *Estonia* 47 Mg
Jalalabad, *Afghanistan* 70 Bc
Jalalpur, *India* 71 Db
Jalalpur, *W. Pakistan* 70 Bf
Jalalpur, *W. Pakistan* 70 Dd
Jalapa, *Nicaragua* 89 Ed
Jalapa Enriquez, *Mexico* 88 Ed
Jalasjärvi, *Finland* 46 Ke
Jalaun, *India* 71 Bb
Jaldak, *Afghanistan* 73 Jc
Jalgaon, *India* 68 Ed
Jalisco, state, *Mexico* 88 Dd
Jalor, *India* 68 Dc
Jalpaiguri, *India* 71 Gb
Jalq, *Iran* 73 Hd
Jaluit, I., *Marshall Is.* 98 Fg
Jam, *Iran* 73 Fd
Jamaica, I., *West Indies* 89 Dc
Jamaja, *Estonia* 47 Kg
Jamalabad, *Iran* 72 Eb
Jamalpur, *E. Pakistan* 71 Hc
Jamalpur, *India* 71 Fc
Jamdena, I., *Indonesia* 63 Km
James B., *Canada* 81 Qf
James Ras., *N. Terr., Aust.* 94 Fd
James R., *S. Dakota* 84 Gc
Jamesburg, *California* 87 Cg
James Ross, I., *Antarctica* 100 Tc
Jameston, *New York* 86 Aa
Jamestown, *New York* 83 Gd
Jamestown, *N. Dakota* 84 Gb
James W. Ellsworth Ld., *Antarctica* 100 Rb
Jamiltepec, *Mexico* 88 Ed
Jammer Bugt, *Denmark* 47 Ch
Jammu, *Kashmir* 70 Dc
Jamnagar, *India* 68 Dd
Jampur, *W. Pakistan* 70 Bf
Jamrad, *Afghanistan* 73 Jc
Jamrao, *W. Pakistan* 68 Cc
Jämsä, *Finland* 47 Lf
Jamshedpur, *India* 71 Fd
Jamui, *India* 71 Fc
Jamuna R., *E. Pakistan* 71 Gc
Jamundi, *Colombia* 90 Bc
Jandaq, *Iran* 73 Fc
Jandiala, *India* 70 De
Janesville, *Wisconsin* 80 Ph
Janeville, *New Brunswick* 82 Fc
Jangipur, *India* 71 Gc
Jani Khel, *W. Pakistan* 70 Bd
Janjira, *India* 68 De
Jan Mayen I., *Arctic Ocean* 58 Aa
Janos, *Mexico* 88 Ca
Jansath, *India* 70 Ef
Jansenville, *Cape Province* 75 Cf
Januaria, *Brazil* 91 Jg
Janze, *France* 52 Cc
Jaora, *India* 68 Ed
Japan & Sea of, *E. Asia* 41 Ne
Japen, I., *W. Irian* 63 Ll
Japura, *Brazil* 90 Dd
Japvo Mt., *India* 69 Hc
Jaragua, *Brazil* 91 Hg
Jaragua, *Brazil* 92 Gc
Jaramillo, *Argentina* 92 Cg
Jarandilla, *Spain* 50 Cb
Jardim, *Brazil* 91 Ke
Jardines de la Reina, *Cuba* 89 Db
Jarji, *Nigeria* 78 Gf
Jarocin, *Poland* 49 Gc
Jaromer, *Czechoslovakia* 49 Fc
Jaroslaw, *Poland* 49 Kc
Järpen, *Sweden* 46 Ee
Jarvis I., *Pacific Ocean* 98 Jh
Järvsö, *Sweden* 47 Gf
Jashpurnagar, *India* 71 Ed
Jask, *Iran* 73 Gd
Jason I., *Falkland Is.* 92 Dh
Jasper & Park, *Alberta* 80 Hf
Jassy. See Iasi
Jastrowie, *Poland* 49 Gb
Jaswantnagar, *India* 71 Bb
Jaszberény, *Hungary* 49 He
Jataí, *Brazil* 91 Gg
Jath, *India* 68 Ee
Jativa, *Spain* 51 Ec
Jatobá, *Brazil* 91 Hd
Jaú, *Brazil* 91 Hh
Jauche, *Belgium* 44 Cd
Jauf. See Al Jawf
Jauja, *Peru* 90 Bf
Jaumave, *Mexico* 88 Ec
Jaunpur, *India* 71 Dc
Java, I., *Indonesia* 63 Em
Javari, R., *Peru-Brazil* 90 Ce
Javier, I., *Chile* 92 Bg
Jawa, *Nigeria* 79 Hf
Jawalamukhi, *India* 70 Ee
Jazir, *Muscat & Oman* 73 Gf
Jebba, *Nigeria* 78 Fg
Jeble, *Syria* 74 Db
Jech Doab, *W. Pakistan* 70 Cd
Jedburgh, *Scotland* 30 Fe
Jedede, *Arabia* 72 De
Jefferson, *Wisconsin* 83 Bd
Jefferson City, *Missouri* 85 Hd
Jefferson, Mt., *Oregon* 87 Cc
Jehol. See Chêngtehshih
Jekabpils, *Latvia* 47 Lh
Jelgava, *Latvia* 47 Kh
Jelsava, *Czechoslovakia* 49 Jd
Jemeppe, *Belgium* 44 Cd
Jena, *Germany* 48 Dc
Jenin, *Jordan* 74 De
Jenipapo, *Brazil* 90 Fe
Jeppo, *Finland* 46 Ke
Jerablus, *Syria* 74 Fa
Jerash, *Jordan* 74 De
Jeremie, *Haiti* 89 Ec
Jeremoabo, *Brazil* 91 Kf
Jerez, *Mexico* 88 Dc
Jerez de la Frontera, *Spain* 50 Bd
Jericho, *Jordan* 74 Df
Jericho, *Queensland* 95 Jd
Jerome, *Arizona* 84 De
Jerruck, *W. Pakistan* 68 Cc
Jersey, I., *Channel Is.* 52 Bb
Jersey City, *New Jersey* 86 Cb
Jerseyshore, *Pennsylvania* 86 Bb
Jerusalem, *Israel-Jordan* 74 Df
Jervois Ra., *N. Territory, Australia* 95 Gd
Jesselton, *N. Borneo* 63 Gj
Jessore, *E. Pakistan* 71 Gd
Jesup, *Georgia* 85 Ke
Jesus I., *Quebec* 83 Kc
Jetalsar, *India* 68 Dd
Jeypore, *India* 69 Fe
Jezzin, *Lebanon* 74 Dd
Jhal, *W. Pakistan* 68 Cc
Jhalrapatan, *India* 68 Ed
Jhang Maghiana, *W. Pakistan* 70 Ce
Jhansi, *India* 71 Bc
Jhau, *W. Pakistan* 68 Cc
Jhazaouet, *Algeria* 78 Ea
Jhelum, *W. Pakistan* 70 Cd
Jhelum R., *W. Pakistan* 70 Cd
Jhudo, *W. Pakistan* 68 Cc
Jhunjhunu, *India* 70 Df
Jiachan, *Tibet* 68 Fb
Jiaupur, *India* 71 Db
Jibhalanta, *Mongolia* 59 Jd
Jicaro, *Nicaragua* 89 Bd
Jičin, *Czechoslovakia* 48 Fc
Jidd, *Iraq* 72 Cc
Jiddah, *Arabia* 72 Ce
Jiggitai L., *Tibet* 69 Ga
Jihlava, *Czechoslovakia* 49 Fd
Jildiah, Jebel, *Arabia* 72 Dd
Jimena de la Frontera, *Spain* 50 Cd
Jimenez, *Mexico* 88 Db
Jimma, *Ethiopia* 77 Hc
Jim Thorpe, *Pennsylvania* 86 Cb
Jinnah Barrage, *W. Pakistan* 70 Bd
Jinotega, *Nicaragua* 89 Bd
Jipijapa, *Ecuador* 90 Ad
Jirgalanta, *Mongolia* 59 Jd
Jishah, *Arabia* 72 Ed
Jisr esh Shughur, *Syria* 74 Eb
Jiul R., *Rumania* 56 Db
Jiza, *Jordan* 74 Df
Jizan, *Arabia* 72 Df
Joacaba, *Brazil* 92 Fc
João Pessoa, *Brazil* 91 Le
Jobson, *Argentina* 92 Dc
Jodhpur, *India* 68 Dc
Joensuu, *Finland* 46 Ne
Jofane, *Moçambique* 75 Ed
Jogjakarta, *Java* 63 Fm
Johannesburg, *Transvaal* 75 De
John o' Groats, *Scotland* 30 Eb
Johnson City, *Tennessee* 85 Kd
Johnsonburg, *Pennsylvania* 86 Ab
Johnston I., *Pacific Ocean* 98 Jf
Johnstown, *New York* 86 Ca
Johnstown, *Pennsylvania* 86 Ab
Johore Bahru, *W. Malaysia* 67 Cf
Joinville, *Brazil* 92 Gc
Joinville, *France* 52 Fb
Joinville I., *Antarctica* 100 Tc
Jokkmökk, *Sweden* 46 Hc
Joliet, *Illinois* 83 Be
Joliette, *Quebec* 83 Kc
Jolo, I., *Philippines* 63 Hj
Jol Plat, *Arabia* 72 Ef
Jonava, *Lithuania* 47 Lj
Jonesboro, *Arkansas* 85 Hd
Jonesport, *Maine* 82 Ed
Jönköping, *Sweden* 47 Fh
Jonquière, *Quebec* 82 Cb
Jonuta, *Mexico* 88 Fd
Joplin, *Missouri* 85 Hd
Jordan, *W. Asia* 72 Cc
Jordan, R., *Israel-Jordan* 74 De
Jorhat, *India* 69 Hc
Jorje Montt, I., *Chile* 92 Bh
Joseph Bonaparte Gulf, *W. Australia* 94 Eb
Jotun Fjell, *Norway* 47 Cf
Jotunheimen, *Norway* 42 Kc
Joux, L. de, *Switzerland* 45 Bb
Jowai, *India* 69 Hc
Juan de Fuca Str., *U.S.A.-Canada* 84 Bb
Juan Fernandez I., *Pac. Oc.* 99 Sl
Juan Stuven, I., *Chile* 92 Ag
Juárez, *Argentina* 92 Ee
Juba, *Sudan* 79 Mh
Juba R., *Somalia* 77 Jd
Jubba, *Arabia* 72 Dd
Jubbulpore. See Jabalpur
Jubeil, *Lebanon* 74

Juian, China 65 Kj
Juichow. See Kaoan
Juist, I., Germany 48 Bb
Juiz de Fora, Brazil 91 Jh
Jujuy, Argentina 92 Cb
Jukao. China 64 Kt
Jukkasjärvi, Sweden 46 Jc
Julaca, Bolivia 90 Dh
Juli, Peru 90 Dg
Juliaca, Peru 90 Cg
Julia Creek, Queensland 95 Hd
Juliana, Mt., New Guinea 63 Ml
Julianehaab, Greenland 39 Pd
Julio de Castilhos, Brazil 92 Fc
Jullundur, India 70 De
Jumaima, Iraq 72 Dd
Jumet, Belgium 44 Cd
Jumilla, Spain 51 Ec
Jumin. See Juymand
Jumla, Nepal 71 Da
Jumna R., India 71 Cc
Junagadh, India 68 Dd
Junan, China 64 Gf
Jundah, Queensland 95 Hd
Jundiaí, Brazil 91 Hh
Juneau, Alaska 85 Zm
Junee, New South Wales 95 Jf
Jungfrau, Mt., Switzerland 45 Cb
Jungfraujoch, Switzerland 45 Cb
Jungkiang, China 65 Dk
Junin, Argentina 92 Be
Junin, Argentina 92 Dd
Junin, Chile 92 Ba
Junin, Peru 90 Bf
Juning. See Junan
Juniper, New Brunswick 82 Ec
Juniper Mt., Oregon 87 Dd
Juniye, Lebanon 74 Dd
Junsele, Sweden 46 Ge
Juo Järvi, Finland 46 Ne
Jupia, Brazil 91 Gh
Juquila, Mexico 88 Ed
Jura, dep., France 52 Fc
Jura, Mts., France-Switz. 52 Gc
Jura I. & Sd. of, Scotland 30 Dd
Jurado, Colombia 90 Bb
Jurbarkas, Lithuania 47 Kj
Jurf ed Darawish, Jordan 74 Dg
Jüri, Estonia 47 Lg
Jurm, Afghanistan 73 Kb
Juruá, R., Brazil 90 Dd
Juruena & R., Brazil 90 Ff
Juruti, Brazil 91 Fd
Jusiye, Syria 74 Ec
Jussy, Switzerland 45 Bb
Justo Daract, Argentina 92 Cd
Juticalpa, Honduras 89 Bd
Jutland. See Jylland
Juuka, Finland 46 Ne
Juwain, Afghanistan 73 Hc
Juwarah, Muscat & Oman 73 Gf
Juwer, S. Yemen 72 Eg
Juxtlahuaco, Mexico 88 Ed
Juymand, Iran 73 Gc
Jylland, Denmark 47 Ch
Jylland, Syd, Denmark 47 Cj
Jyväskylä, Finland 46 Le
K2, Mt., Kashmir 70 Ec
Kabajana, I., Indonesia 63 Hm
Kabala, Sierra Leone 78 Cg
Kabale, Uganda 77 Ge
Kabba, Nigeria 78 Gg
Kabinda, Congo 76 Ef
Kabongo, Congo 76 Ff
Kabul & R., Afghanistan 73 Jc
Kabunda, Congo 77 Fg
Kabwe, Zambia 75 Db
Kačanik, Yugoslavia 56 Cc
Kachiry, Kazakhstan 58 Gc
Kachkar, Russia 61 Qc
Kachuga, Russia 59 Kc
Kadaura, India 71 Bb
Kadiger, China 64 Ac
Kadiköy, Turkey 72 Aa
Kadiri, India 68 Ef
Kadiyevka, Ukraine 60 Lg
Kadom, Russia 61 Fc
Kadugli, Sudan 79 Lf
Kaduna, Nigeria 78 Gf
Kadur, India 68 Ef
Kadyi, Russia 61 Fb
Kadzand, Netherlands 44 Bc
Kaesong, Korea 62 Jc
Kaf, Arabia 72 Cc
Kafakumba, Congo 76 Ef
Kafanchan, Nigeria 78 Gg
Kafra, Chad 79 Ke
Kafr Behum, Syria 74 Eb
Kafrun, Syria 74 Ec
Kagan, Uzbekistan 58 Fe
Kagi. See Chiai
Kagoshima, Japan 66 Bj
Kagoshima B., Japan 66 Aj
Kagul, Moldavia 60 Fj
Kahafa, Arabia 72 Dd
Kahama, Tanzania 77 Ge
Kahnuj, Iran 73 Gd
Kahror, W. Pakistan 70 Bf
Kahta, Turkey 72 Cb
Kahuta, W. Pakistan 70 Cd
Kai-Kep, Indonesia 63 Km
Kaiama, Nigeria 78 Fg
Kaiapoi, New Zealand 93 De
Kai-chow, China 64 Ge
Kaieteur Fall, Guyana 90 Eb
Kai fêng, China 64 Ge
Kaigo, Sudan 79 Mg
Kaihu, New Zealand 93 Da
Kaihwa. See Wenshan
Kaikoura, New Zealand 93 De
Kaikoura Ra., New Zealand 93 De
Kailas Ra., India-Tibet 68 Ea
Kaimana, W. Irian 63 Kl
Kaimanawa Mts., N. Zealand 93 Ec
Kaimganj, India 71 Bb
Kaimur Ra., India 71 Cc
Kaipara Harb., New Zealand 93 Eb
Kaira, India 68 Dd
Kairana, India 70 Ef
Kairouan, Tunisia 79 Ha
Kairovo, Russia 61 Nc
Kaisarie. See Kayseri
Kaiserlautern, Germany 48 Bd
Kaiser Wilhelm II Land, Antarctica 100 Gc
Kaitangata, New Zealand 93 Bg
Kaithal, India 70 Ef
Kai-yüan, China 64 Ma
Kajaani, Finland 46 Md
Kajiado, Kenya 77 He
Kajiki, Japan 66 Bj
Kajuri Kach, W. Pakistan 70 Ad
Kakamari, Uganda 77 Gd
Kakamega, Kenya 77 Gd
Kakhk, Iran 73 Gc
Kakhovskoye Vdkhr., Ukr. 60 Jh
Kakia, Botswana 75 Cd
Kakisa, L., N.-W. Terr. 80 Hd
Kakori, India 71 Cb
Kaksha, Russia 61 Ha
Kalabagh, W. Pakistan 70 Bd
Kalabáka, Greece 57 Ce
Kala Bist. See Qala Bist
Kalabo, Zambia 75 Cc
Kalabsha, Egypt 79 Md
Kalach, Russia 61 Ee
Kalahari Desert, Botswana 75 Cd
Kalajoki, Finland 46 Kd
Kalak, Iran 73 Gd
Kalakan, Russia 59 Lc
Kalakepen, Sumatra 63 Ck
Kalámai, Greece 57 Df
Kalamáta. See Kalámai
Kalamazoo, Michigan 83 Cd
Kala Nao, Afghanistan 73 Hc
Kalanaur, India 70 Ef
Kalangali, Tanzania 77 Gf
Kalannie, W. Australia 94 Cf
Kala Sarkari, Afghanistan 73 Jb
Kalat, W. Pakistan 68 Cc
Kalat-i-Ghilzai, Afghanistan 73 Jc
Kalaw, Burma 69 Jd
Kale, Burma 69 Hd
Kalediran, Turkey 72 Bb
Kalewa, Burma 69 Hd
Kalgan. See Changkiakow
Kalgoorlie, W. Australia 94 Df
Kalhat, Muscat & Oman 73 Ge
Kalikino, Russia 61 Md
Kalimnos, I., Greece 57 Ff
Kalingapatnam, India 69 Fe
Kalinin, Russia 60 Jc
Kaliningrad, Russia 47 Jj
Kalispell, Montana 84 Db
Kalisz, Poland 49 Hc
Kaliua, Tanzania 77 Gf
Kalix Älv, Sweden 46 Jc
Kalixfors, Sweden 46 Jc
Kalka, India 70 Ee
Kalkaska, Michigan 83 Dc
Kalkfeld, S.-W. Africa 75 Bd
Kalkfontein, Botswana 75 Cd
Kalkwerk, S.-W. Africa 75 Be
Kallaste, Estonia 47 Mg
Kallavesi, Finland 46 Me
Kalloni, Greece 57 Fe
Kallsjön, Sweden 46 Ee
Kalmar, Sweden 47 Fh
Kalmar Sund, Sweden 47 Gh
Kalmthout, Belgium 44 Cc
Kalmykovo, Kazakhstan 58 Ed
Kalna, India 71 Gd
Kalocsa, Hungary 49 He
Kalokhorio, Cyprus 74 Ab
Kalpi, India 71 Bb
Kaltag, Alaska 85 Xl
Kaluga, Russia 60 Kd
Kalule, Congo 76 Ff
Kalundborg, Denmark 47 Dj
Kalundu, Zambia 77 Fg
Kalutara, Ceylon 68 Eg
Kalvarija, Lithuania 47 Kj
Kalyan, India 68 De
Kalyazin, Russia 60 Kc
Kama, R., Russia 58 Eb
Kamaishi, Japan 66 Ge
Kamalampaka, Tanzania 77 Gf
Kamalia, W. Pakistan 70 Ce
Kaman, India 70 Eg
Kamaran, I., Red Sea 72 Df
Kamasin, India 71 Cc
Kamchatka, Russia 59 Rc
Kamen, Russia 58 Hc
Kamenets Podolskiy, Ukr. 60 Eg
Kamenskoye, Russia 59 Rb
Kamensk Shakhtinski, Russ. 61 Ef
Kamensk Ural'skiy, Russia 61 Qb
Kamet, Mt., India 68 Eb
Kami Iwani, Japan 66 Cg
Kamina, Congo 76 Ef
Kam Keut, Laos 67 Cc
Kamloops, Brit. Columbia 80 Gf
Kamnik, Yugoslavia 54 Eb
Kamouraska, Quebec 82 Dc
Kampa Dzong, Tibet 69 Gc
Kampala, Uganda 77 Gd
Kampen, Netherlands 44 Db
Kampot, Indo-China 67 Cd
Kamptee, India 68 Ed
Kamsack, Saskatchewan 80 Lf
Kamyshin, Russia 61 Ge
Kamyshlov, Russia 61 Rb
Kanab, Utah 87 Gg
Kanayama. See Hachuman
Kanazawa, Japan 66 Ef
Kanchanaburi, Thailand 67 Bd
Kancheepuram, India 68 Ef
Kanchow, China 65 Gk
Kandahar, Afghanistan 73 Jc
Kandalaksha, Russia 58 Cb
Kandava, Latvia 47 Kh
Kandavu, I., Fiji Is. 98 Gj
Kandhla, India 70 Ef
Kandi, India 71 Gd
Kandla, India 73 Ke
Kandole, Congo 76 Ee
Kandy, Ceylon 68 Fg
Kane, Pennsylvania 86 Ab
Kane Basin, Greenland 39 Qb
Kanev, Ukraine 60 Gg
Kangan, Iran 73 Fd
Kangar, W. Malaysia 67 Ce
Kangaroo I., S. Australia 95 Gg
Kangāvar, Iran 72 Ec
Kangchenjunga, Mt., Nepal 69 Gc
Kangmar, Kashmir 68 Eb
Kango, Gabon 76 Cd
Kangpao, China 64 Gb
Kangra, India 70 Ed
Kangsa R., E. Pakistan 69 Hc
Kani, Burma 69 Hd
Kaniama, Congo 76 Ef
Kankakee, Illinois 83 Be
Kankan, Guinea 78 Df
Kanker, India 68 Fd
Kankesanturai, Ceylon 68 Eg
Kan Kiang, China 62 Ge
Kannauj, India 71 Bb
Kannus, Finland 46 Ke
Kano, Nigeria 78 Gf
Kanoya, Japan 66 Bj
Kanpur, India 71 Cb
Kansas, state, U.S.A. 84 Gd
Kansas, R., Kansas 84 Gd
Kansas City, Kansas 84 Gd
Kansas City, Missouri 85 Hd
Kansk, Russia 59 Jc
Kansu, prov., China 64 Ae
Kantai, India 71 Eb
Kantchari, Volta 78 Ff
Kanturk, Eire 33 Fj
Kanuma, Japan 66 Ff
Kanus, S.-W. Africa 75 Be
Kaoan, China 65 Gh
Kao-bang. See Cao Bang.
Kaocheng, China 64 Ge
Kaohsiung, Taiwan 65 Kl
Kaolack, Senegal 78 Bf
Kaolan. See Lanchow
Kao Lu-ang, Mt., Thailand 67 Be
Kaomi, China 64 Jd
Kaoyi, China 64 Gd
Kaoyu, China 64 Jf
Kaoyu Hu, China 64 Jf
Kapal. See Taldy Kurgan
Kapalu, Kashmir 70 Ec
Kapaus, R., Borneo 63 Fk
Kapfenberg, Austria 49 Fe
Kapiri Mposhi, Zambia 77 Fg
Kapiskau R., Ontario 81 Qf
Kapiti I., New Zealand 93 Ed
Kapoeta, Sudan 79 Mh
Kaposvár, Hungary 56 Aa
Kapsabet, Kenya 77 Hd
Kapsukas, Lithuania 47 Kj
Kapurthala, India 70 De
Kapuskasing, Ontario 81 Qg
Kar, Iran 72 Ec
Kara, Russia 58 Fb
Kara Sea, Russia 58 Ga
Kara Bogaz Gol, Turkmenistan 58 Ed
Karabuk, Turkey 72 Ba
Karabuta, Iran 72 Eb
Karacabey, Turkey 72 Aa
Karaca Dagh, Turkey 72 Bb
Karachev, Russia 60 Je
Karachi, W. Pakistan 68 Cd
Karaganda, Kazakhstan 58 Gd
Karaginskiy Os., Russia 59 Rc
Karaj, Iran 73 Fb
Karak, Jordan 74 Df
Karak, Tibet 68 Eb
Kara Kalpakskaya, Uzbek. 58 Ed
Karakelong, I., Indonesia 63 Jk
Karakoram Ra., Kashmir 70 Db
Karakose, Turkey 72 Db
Kara Kum, Turkmenistan 58 Ee
Karaman, Turkey 72 Bb
Karamea, New Zealand 93 Dd
Karamea Bight, N. Zealand 93 Dd
Karamsur Pass, W. Pakistan 70 Cb
Karasa, Russia 61 Kc
Karasburg, S.-W. Africa 75 Be
Kara Shahr. See Yenkishih
Karasjok, Norway 46 Lb
Karatina, Kenya 77 He
Karatsu, Japan 66 Ah
Karaul, Russia 58 Ha
Karauli, India 71 Ab
Karaurgan, Turkey 72 Da
Kardam, Tibet 68 Fb
Kardhitsa, Greece 57 Ce
Karelskaya, rep., Russia 58 Cb
Karenni, Burma 69 Je
Karesuando, Sweden 46 Kb
Karganrud, Iran 72 Eb
Karghalik, China 70 Eb
Kargil, Kashmir 70 Ec
Kargopol, Russia 60 La
Karhal, India 71 Bb
Kariba L., Rhodesia 75 Dc
Karibib, S.-W. Africa 75 Bd
Karikal, India 68 Ef
Karimata, I., Indonesia 63 El
Karin, Somalia 77 Kb
Karind. See Kar
Karis, Finland 47 Kf
Kariz, Iran 73 Hc
Karkaralinsk, Russia 58 Gd
Karkkila, Finland 47 Lf
Karlik Tagh, China 62 Bb
Karl Marx Stadt, Germany 48 Ec
Karlovac, Yugoslavia 54 Ec
Karlovy Vary, Czech. 48 Ec
Karlsbad. See Karlovy Vary
Karlsborg, Sweden 47 Fg
Karlshamn, Sweden 47 Fh
Karlskrona, Sweden 47 Fh
Karlsruhe, Germany 48 Cd
Karlstad, Sweden 47 Eg
Karmöy, I., Norway 47 Ag
Karnal, India 70 Ef
Karnten, prov., Austria 48 Ee
Karona Fall, Guyana 90 Fc
Karora, Sudan 77 Ha
Karpáthos, I. & Str., Greece 57 Fg
Karperón, Greece 57 Ce
Karroo, Great, Cape Prov. 75 Cf
Kars, Turkey 72 Da
Karsakpay, Kazakhstan 58 Fd
Kärsämäki, Finland 46 Le
Kārsava, Latvia 47 Mh
Karshi, Uzbekistan 58 Fe
Karstula, Finland 46 Le
Karsun, Russia 61 Hc
Kartaly, Russia 61 Qd
Kartarpur, India 70 De
Kartse, Kashmir 70 Ec
Karungi, Sweden 46 Kc
Karungu, Kenya 77 Ge
Karunki, Finland 46 Lc
Karur, India 68 Ef
Karvina, Czechoslovakia 49 Hd
Karwar, India 68 Df
Karymskoye, Russia 59 Lc
Kasai R., Congo 76 De
Kasama, Zambia 77 Gg
Kasanga, Tanzania 77 Gf
Kasauli, India 70 Ee
Kasba L., N.-W. Territories 80 Ld
Kasempa, Zambia 76 Fg
Kasenga, Congo 77 Fg
Kasenga, Zambia 75 Dc
Kasganj, India 71 Bb
Kashan, Iran 73 Fc
Kashgar, China 58 Ge
Kashing, China 64 Kg
Kashira, Russia 60 Ld
Kashiwazaki, Japan 66 Ff
Käshmar, Iran 73 Gb
Kashmir, N. India 68 Eb
Kashmor, W. Pakistan 68 Cc
Kasimov, Russia 61 Ec
Kasinka, Botswana 75 Cc
Kaskinen, Finland 46 Je
Kas Kong, Cambodia 67 Cd
Kasmere, L., Manitoba 80 Le
Kasongo, Congo 76 Fe
Kásos, I., Greece 57 Fg
Kásós Str., Crete 57 Fg
Kaspichan, Bulgaria 56 Fc
Kas Rong, Cambodia 67 Cd
Kassala, Sudan 77 Ha
Kassandra, Greece 57 Dd
Kassel, Germany 48 Cc
Kastamonu, Turkey 72 Ba
Kastélli, Crete 57 Dg
Kastéllion, Crete 57 Eg
Kastoria, Greece 57 Cd
Kastrosikiá, Greece 57 Ce
Kasulu, Tanzania 77 Ge
Kasungu, Malawi 77 Gg
Kasur, W. Pakistan 70 De
Katahdin, Mt., Maine 82 Dd
Katahdin Iron Works, Maine 82 Dd
Katákolon, Greece 57 Cf
Katanga, Congo 76 Eg
Katangli, Russia 59 Pc
Katanning, W. Australia 94 Cf
Katav Ivanovsk, Russia 61 Pc
Katerini, Greece 57 Dd
Katha, Burma 69 Jd
Kathawachaga, L., N.-West Territories 80 Jc
Katherine, N. Terr., Aust. 94 Fb
Kathiawar, India 68 Dd
Kathua, Kashmir 70 Dd
Katihar, India 71 Fc
Katmai Vol., Alaska 85 Xm
Katmandu, Nepal 71 Eb
Kato Akhaia, Greece 57 Ce
Káto Nevrokópion, Greece 56 Dd
Katoomba, New S. Wales 95 Kf
Katowice, Poland 49 Hc
Katrine, L., Scotland 30 Dd
Katrineholm, Sweden 47 Gg
Katsina, Nigeria 78 Gf
Kattegat, Sweden-Denmark 47 Dh
Kattowitz. See Katowice
Katwa, India 71 Gd
Katwewe, Congo 77 Ff
Katwijk-aan-Zee, Netherl'd. 44 Cb
Kauai, I., Hawaiian Is. 99 Ke
Kaufbeuren, Germany 48 De
Kauhava, Finland 46 Ke
Kaukauna, Wisconsin 83 Bc
Kaunas, Lithuania 47 Kj
Kauriya, India 69 Fd
Kautokeino, Norway 46 Kb
Kavak, Turkey 72 Ca
Kavali, India 68 Ef
Kaválla, Greece 56 Ed
Kaválla, Greece 57 Ed
Kavkaz, Bolshoi & Maly, Mts., Russia 58 Dd
Kaw, Fr. Guiana 91 Gc
Kawakawa, New Zealand 93 Ea
Kawambwa, Zambia 77 Ff
Kawanoe, Japan 66 Cg
Kawardha, India 71 Gd
Kawasaki, Japan 66 Fg
Kawhia, New Zealand 93 Ec
Kawich Ra., Nevada 87 Eg
Kawkareik, Burma 69 Je
Kayes, Mali 78 Cf
Kayseri, Turkey 72 Cb
Kayshyadoris, Lithuania 47 Lj
Kazach'ye, Russia 59 Na
Kazakhskaya rep., U.S.S.R. 58 Fd
Kazakhstan. See Kasakhskaya rep.
Kazan, Russia 61 Jc
Kazanlŭk, Bulgaria 56 Ec
Kazérun, Iran 73 Fd
Kazvin. See Qazvin
Kdyne, Czechoslovakia 48 Ed
Kéa, I., Greece 57 Ef
Kearney, Nebraska 84 Gc
Keban Maden, Turkey 72 Cb
Ke-bao I., N. Vietnam 67 Db
Kechika R., Brit. Columbia 80 Fe
Kecskemét, Hungary 49 He
Kedainiai, Lithuania 47 Kj
Kedgwick, New Brunswick 82 Ec
Kediri, Java 63 Fm
Keele Pk., N.-W. Terr. 80 Fd
Keele R., N.-W. Territories 80 Fd
Keene, New Hampshire 86 Da
Keeseville, New York 83 Kc
Keetmanshoop, S.-W. Africa 75 Be
Keewatin, Dist., N.-W. Terr. 80 Md
Kefallinia, Greece 57 Ce
Kegaska, Quebec 82 Ha
Kegueur Tedi, Libya 79 Jd
Keila, Estonia 47 Lg
Keita, Chad 79 Ke
Keitele, Finland 46 Me
Keith, Scotland 30 Fc
Keith Arm., N.-W. Territories 80 Gc
Kelcyre, Albania 57 Cd
Kellet, C., N.-W. Terr. 80 Fb
Kelloselkä, Finland 46 Nc
Kells, Eire 31 Cg
Kelme, Lithuania 47 Kj
Kelowna, British Columbia 80 Hg
Kelso, Scotland 30 Fe
Kem, R., Russia 58 Cb
Ké Macina, Mali 78 Df
Kemal Paşa, Turkey 72 Ab
Kemano, British Columbia 80 Ff
Kemerovo, Russia 58 Hc
Kemi, Finland 46 Ld
Kemijarvi, Finland 46 Mc
Kemi Joki, Finland 46 Lc
Kemp, L., Texas 84 Ge
Kemp Ld., Antarctica 100 Ec
Kempele, Finland 46 Ld
Kempsey, New S. Wales 95 Kf
Kempt L., Quebec 83 Jb
Kempten, Germany 48 De
Kenai Pen., Alaska 85 Xl
Kendal, England 31 Ff
Kendall, New York 86 Aa
Kendall, C., N.-W. Terr. 81 Pd
Kendari, Celebes 63 Hl
Kendawargan, Borneo 63 Fl
Kenema, Sierra Leone 78 Cg
Kenge, Congo 76 De
Keng-tung, Burma 69 Jd
Kenhardt, Cape Province 75 Ce
Kenitra. See Mina Hassan Tani
Kenmare & R., Eire 31 Aj
Kennebec R., Maine 82 Dd
Kennebunk, Maine 86 Ea
Kennedy, Nevada 87 Ee
Kennedy, C. Florida 85 Kl
Kenogami & L., Quebec 82 Cb
Keno Hill, Yukon 80 Dd
Kenora, Ontario 80 Ng
Kenosha, Wisconsin 83 Cd
Kensington, Prince Edward I. 82 Gc
Kent, New Brunswick 82 Fc
Kent, co., England 31 Hj
Kent I., Maryland 86 Bc
Kent Pen., N.-W. Terr. 80 Kc
Kentucky, state, U.S.A. 85 Jd
Kentville, Nova Scotia 82 Fd
Kenya, East Africa 77 Hd
Kenya, Mt., Kenya 77 He
Keokuk, Iowa 85 Hc
Keonjhar, India 69 Gd
Kéos Tziá. See Kéa I.
Kepler Mts., New Zealand 93 Af
Kep. Lingga Is., Sumatra 63 Dl
Keppel, I., Falkland Is. 92 Dh
Kerala, state, India 68 Ef
Kerang, Victoria, Australia 95 Hg
Kerava, Finland 47 Lf
Kerch, Russia 60 Kj
Kerchoual, Mali 78 Fe
Kerema, Papua 95 Ja
Keren, Eritrea 77 Ha
Kerguelen Is., Indian Ocean 96 Ej
Kericho, Kenya 77 He
Kerintji, Mt., Sumatra 63 Dl
Kerkenbosch. See Zuidwolde
Kerkenna Is., Tunisia 79 Hb
Kerki, Turkmen 58 Fe
Kérkira & I., Greece 57 Be
Kerkrade, Netherlands 44 Dd
Kermadec Is., Pacific Ocean 98 Gk
Kerman, Iran 73 Gc
Kerman Des., Iran 73 Gd
Kermanshah, Iran 72 Ec
Kerry, co., Eire 31 Ah
Kerulen R., Mongolia 62 Fa
Kerzers, Switzerland 45 Cb
Kesagami L., Ontario 81 Qf
Kesariya, India 71 Eb
Kesteren, Netherlands 44 Dc
Kesteven, Parts of, Lincs, England 31 Gg
Kestilä, Finland 46 Md
Keswick, England 31 Ef
Keszthely, Hungary 49 Ge
Ketapang, Borneo 63 El
Ketchikan, Alaska 85 Zm
Ketrzyn, Poland 49 Ja
Kettering, England 31 Gh
Keuka L., New York 86 Ba
Kewanee, Illinois 83 Be
Kewaunee, Wisconsin 83 Cc
Keweenaw B., Michigan 83 Bb
Keweenaw Pen., Wisconsin 85 Jb
Key L., Eire 31 Bf
Key Harbour, Ontario 83 Fc
Key West, Florida 85 Kg
Keyser, W. Virginia 86 Ac
Kezhma, Russia 59 Kc
Khaapsalu, Estonia 47 Kg
Khabab, Syria 74 Ed
Khabarovsk, Russia 59 Nd
Khaburah, Muscat & Oman 73 Ge
Khadhra, Arabia 72 Dd
Khadro, W. Pakistan 68 Cc
Khafs Maqran, Arabia 72 Ee
Khagaul, India 71 Ec
Khaibar, Arabia 72 Cd
Khairabad, India 71 Cb
Khairpur, W. Pakistan 68 Cc
Khairpur, W. Pakistan 70 Cf
Khaiwan, Yemen 72 Df
Khalis-ed-Daff, Arabia 72 Ce
Khalki, I., Greece 57 Ff
Khalkidhki, Greece 57 Dd
Khalkis, Greece 57 De
Khal-Mer-Sede. See Tazovskoye
Khalturin, Russia 61 Ja
Khaluf, Arabia 73 Ge
Khamgaon, India 68 Ed
Khamiab, Afghanistan 73 Jb
Khamis, Mushait, Arabia 72 Df
Khamr, Yemen 72 Df
Khanabad, Afghanistan 73 Jb
Khanaqin, Iraq 72 Ec
Khān Baghdādī, Iraq 72 Dc
Khandela, India 70 Dg
Khandwa, India 68 Ed
Khan-ez-Zebib, Jordan 74 Ef
Khanfar, S. Yemen 72 Eg
Khangai Shan, Mongolia 41 Jd
Khangarh, W. Pakistan 70 Bf
Khanh-hoa, S. Vietnam 67 Dd
Khania, Crete 57 Dg
Khaniadhana, India 71 Bc
Khanka, Ozero, Russia 59 Nd
Khanpur, W. Pakistan 70 Bf
Khan Sheikhun, Syria 74 Eb
Khan Tengri. See Pobedy Peak
Khanty Mansiysk, Russia 58 Fb
Khanu. See Kahnuj
Khan Yunis, Egypt 74 Cf
Kharaghoda, India 68 Dd
Kharan, W. Pakistan 68 Cc
Kharar, India 71 Fd
Kharkov, Ukraine 60 Kg
Kharmanli, Bulgaria 56 Ed
Kharovsk, Russia 60 Mb
Kharsawan, India 71 Ed
Khartaksho, Kashmir 70 Ec
Khartoum, Sudan 79 Me
Khasfah, Arabia 73 Ff
Khash, Afghanistan 73 Hc
Khasi Hills, India 69 Hc
Khaskovo, Bulgaria 56 Ed
Khasmel Girba, Sudan 79 Nf
Khatanga, Russia 59 Ka
Khatangskiy Guba, Russia 59 La
Kheralu, India 68 Dd
Kheri, India 71 Cb
Kherson, Ukraine 60 Hh
Khetri, India 70 Df
Khilok, Russia 59 Lc
Khinis. See Hinis
Khinjan, Afghanistan 73 Jb
Khios & I., Greece 57 Fe
Khisfin, Syria 74 De
Khiuma, Ostrov. See Hiiumaa
Khiva, Uzbekistan 58 Fd
Khmelnik, Russia 60 Eg
Khmel'nitskiy, Ukraine 60 Eg
Kholm, Russia 60 Gc
Kholmsk, Russia 59 Pd
Khomeyn, Iran 73 Fc
Khong, Laos 67 Dd
Khor, Russia 59 Nd
Khóra Sfakíon, Crete 56 Eg
Khorramabad, Iran 72 Ec
Khormali, China 62 Aa
Khorramshahr, Iran 72 Ec
Khotan, China 58 Ge
Khrisoúpolis, Greece 56 Ed
Khulna, E. Pakistan 71 Gd
Khunsar, Iran 73 Fc
Khur, Iran 73 Gc
Khur. See Khvor
Khurai, India 71 Bc
Khurja, India 70 Ef
Khurmah, Arabia 72 De
Khusf, Iran 73 Gc
Khushab. W. Pakistan 70 Cd
Khvaf, Iran 73 Hc
Khvalynsk, Russia 61 Jd
Khvor, Iran 73 Fc
Khvoy, Iran 72 Db
Khvoyna, Bulgaria 56 Ed
Khyber Pass, W. Pakistan 70 Bc
Kiambi, Congo 77 Ff
Kiamusze, China 62 Ka
Kian, China 65 Gj
Kiangchow. See Kiangling
Kiangling, China 65 Fg
Kiangpeh, China 65 Ch
Kiangsi, prov., China 65 Gj
Kiangsu, prov., China 64 Jf
Kiangtu, China 64 Jf
Kiangyin, China 64 Kg
Kianto Jarvi, Finland 46 Nd
Kiao-chow B., China 64 Ke
Kiaohsien, China 64 Kd
Kiating. See Loshan
Kibangula, Congo 76 Fe
Kibombo, Congo 76 Fe
Kibondo, Tanzania 77 Ge
Kicevo, Yugoslavia 56 Cd
Kichiga, Russia 59 Rc
Kichiginsk, Russia 61 Qc
Kicking Horse Pass, Alberta 80 Hf
Kidal, Mali 78 Fe
Kidderminster, England 31 Fh
Kidnappers, C., New Zealand 93 Fc
Kidodi, Tanzania 77 Hi
Kiel, Germany 48 Da
Kiel Kanal, Germany 48 Ca
Kielce, Poland 49 Jc
Kieldrecht, Belgium 44 Cc
Kieler Bucht, Germany 48 Da
Kienchang. See Nancheng
Kiencheng, China 65 Dh
Kienko, China 64 Bf
Kienning, China 65 Hj
Kienning. See Kienow
Kienow, China 65 Jj
Kienping, China 64 Jb
Kienshui, China 62 Dl
Kienteh, China 65 Jh
Kienyang, China 65 Jj
Kiev. See Kiyev
Kiffa, Mauritania 78 Ce
Kigali, Rwanda 77 Ge
Kiganga, Tanzania 77 Gf
Kigoma, Tanzania 77 Fe
Kihsien, China 64 Hb
Kii Chan., Japan 66 Dh
Kijabe, Kenya 77 He
Kikhchik, Russia 59 Qc
Kikinda, Yugoslavia 56 Cb
Kikládhes, Is., Greece 57 Ef
Kikori & R., Papua 95 Ha
Kikuyu, Kenya 77 He
Kikwit, Congo 76 Df
Kila Drosh, W. Pakistan 70 Bc
Kilbourn, Wisconsin 83 Bd
Kilchu, Korea 62 Jb
Kildare & co., Eire 31 Cg
Kilian, China 70 Eb
Kilifi, Kenya 77 He
Kilimanjaro Mt., Tanzania 77 He
Kilindini, Kenya 77 He
Kilkee, Eire 31 Ah
Kilkenny & co., Eire 31 Ch
Kilkieran B., Eire 31 Ag
Kilkis, Greece 56 Dd
Kilkis, Greece 57 Dd
Killala B., Eire 31 Af
Killaloe, Eire 31 Bh
Killarney, Eire 31 Ah
Killarney, Ontario 83 Fc
Killary Harb., Eire 31 Ag
Killin, Scotland 30 Ed
Killini, Greece 57 Cf
Killybegs, Eire 31 Bf
Kilmarnock, Scotland 30 De
Kilosa, Tanzania 77 Hf
Kilrush, Eire 31 Ah
Kilwa Kivinje, Tanzania 77 Hf
Kima, Congo 76 Fe
Kimberley, Cape Province 75 Ce
Kimi, Greece 57 Ee
Kimito, Finland 47 Kf
Kimolos, I., Greece 57 Ef
Kimvula, Congo 76 Df
Kinabulu, Mt., N. Borneo 63 Gj
Kinbrace, Scotland 30 Eb
Kincardine, Ontario 83 Fc
Kincardine, co., Scotland 30 Fd
Kinchow Wan, China 64 Kc
Kindat, Burma 69 Hd
Kindersley, Saskatchewan 80 Kf
Kindia, Guinea 78 Cf
Kindu-Port Empain, Congo 76 Fe
Kinel', Russia 61 Kd
Kinel' Cherkkassy, Russia 61 Kd
Kineo, Maine 82 Dd
Kineshma, Russia 61 Fb
King I., Burma 69 Jf
King I., Tasmania 95 Hg
Kingaroy, Queensland 95 Ke
King Christian IX Land, Greenland 39 Nc
King Edward VIII Fall, Guyana 90 Fb
King Edward VII Land, Antarctica 100 Nb
King Frederick VIII Land, Greenland 39 Nb
King Frederick VI Land, Greenland 39 Pc
Kingfu, China 62 De
King George Is., Pacific Oc. 99 Li
King George, Mt., B.C. 80 Hf
King George Sd., W. Aust. 94 Cg
King George I, I., South Shetlands 100 Tc
King George V Ld., Antarc. 100 Kc
King George VI Falls, Guyana 90 Eb
King George VI Sound, Antarctica 100 Sb
Kingisepp, Russia 47 Ng
Kingku, China 62 Df

King Leopold Ra., W. Aust. 94 Ec
King Leopold & Queen Astrid Coast, Antarctica 100 Gc
Kingmen, China 64 Fg
King Oscar II Ld., Antarc. 100 Tc
Kingsbridge, England 31 Ek
King's Canyon National Park, California 87 Dg
Kingscourt, Eire 31 Cg
King's Lynn, England 31 Hh
King Sound, W. Australia 94 Dc
Kingston, Jamaica 89 Dc
Kingston, New York 86 Cb
Kingston, New Zealand 93 Bf
Kingston, Ontario 83 Hc
Kingston-on-Thames, Eng. 31 Gj
Kingtung, China 62 Df
Kingushi, Congo 76 Df
Kingussie, Scotland 30 Ec
King William I., N.-W. Territories 80 Mc
King William Ld., Greenland 39 Nb
Kingwood, W. Virginia 83 Gf
Kingyang, China 64 Cd
Kingyüan. See Ishan
Kinhsien, China 64 Kc
Kinhwa, China 65 Jh
Kinki, China 64 Cd
Kinleith, New Zealand 93 Ec
Kinross & co., Scotland 30 Ed
Kinshasa, Congo 76 De
Kintap, Borneo 63 Gl
Kintyre, Scotland 30 De
Kinyangiri, Tanzania 77 Ge
Kiparissía, Greece 57 Cf
Kiparissía, G. of, Greece 57 Cf
Kipawa & L., Quebec 83 Gb
Kipini, Kenya 77 Je
Kirá Panayiá. See Pelagos, I.
Kirchberg, Switzerland 45 Ca
Kirensk, Russia 59 Kc
Kirgizia. See Kirgizskaya rep.
Kirgizskaya rep., U.S.S.R. 58 Gd
Kiri, Congo 76 De
Kirin, China 62 Jb
Kirit, Somalia 77 Kc
Kiriwina, I. See Trobriand I.
Kirkağaç, Turkey 72 Ab
Kirkby Lonsdale, England 31 Ff
Kirkcaldy, Scotland 30 Ed
Kirkcudbright & co., Scot. 30 Ee
Kirkee, India 68 De
Kirkenes, Norway 46 Na
Kirkland Lake, Ontario 83 Fa
Kirksville, Missouri 85 Hc
Kirkuk, Iraq 72 Db
Kirkwall, Orkney 30 Fb
Kirong Dzong, Nepa 71 Ea
Kirov, Russia 60 Jd
Kirov, Russia 61 Ja
Kirovgrad, Russia 61 Pb
Kirovograd, Ukraine 60 Hg
Kirovsk, Russia 58 Cb
Kirriemuir, Scotland 30 Ed
Kirsanov, Russia 61 Fd
Kirsehir, Turkey 72 Bb
Kirthar Ra., W. Pakistan 68 Cc
Kirun. See Chilung
Kiruna, Sweden 46 Jc
Kisamba, Congo 76 Ef
Kisangani, Congo 76 Fd
Kisbér, Hungary 49 He
Kishan, China 64 Ce
Kishanganj, India 71 Gb
Kishangarh, India 68 Dc
Kishangarh, India 70 Bg
Kishi, Nigeria 78 Fg
Kishinev, Moldavia 60 Fh
Kishtwar, Kashmir 70 Dd
Kisii, Kenya 77 Ge
Kisiju, Tanzania 77 Hf
Kiska, I., Aleutian Is. 85 Um
Kiskisink, Quebec 82 Bc
Kiskunfélégyháza, Hungary 49 He
Kismayu. See Chisimaio
Kispest, Hungary 49 He
Kissaraing I., Burma 69 Jf
Kissidougou, Guinea 78 Cg
Kistna R., India 68 Ee
Kisujszállás, Hungary 49 Je
Kisumu, Kenya 77 Ge
Kisvárda, Hungary 49 Kd
Kiswe, Syria 74 Ed
Kita, Mali 78 Df
Kitab, Uzbekistan 58 Fe
Kitakyushu, Japan 62 Kd
Kitale, Kenya 77 Hd
Kitchener, Ontario 83 Fd
Kitchioh, China 65 Gl
Kitgum, Uganda 77 Gd
Kithira I., Greece 57 Df
Kithirai Chan., Greece 57 Dg
Kithnos, I., Greece 57 Ef
Kitimat, British Columbia 80 Ff
Kittanning, Pennsylvania 86 Ab
Kittatinny Mts., New Jersey 86 Cb
Kittila, Finland 46 Lc
Kitui, Kenya 77 He
Kityang, China 65 Hl
Kitzingen, Germany 48 Dd
Kiuchuan, China 62 Cc
Kiukiang, China 65 Hh
Kiumbi, Congo 76 Ff
Kiungchow. See Kiungshan
Kiungchow Str. See Hainan Str.
Kiungshan, Hainan I. 65 En
Kiuruvesi, Finland 46 Me
Kivi Järvi, Finland 46 Le
Kivu L., Congo 77 Fe
Kiwai I., Papua 95 Ha
Kiyev, Ukraine 60 Gf
Kiyma, Kazakhstan 58 Fc
Kizel, Russia 58 Ec
Kizil Irmak, Turkey 72 Ba
Kizyl Arvat, Turkmenistan 58 Ee
Kizyl Jilga, Kashmir 68 Ea
Kjerringöy, Norway 46 Fc
Kjöge, B., Greenland 39 Nc
Kladanj, Yugoslavia 56 Bb
Kladno, Czechoslovakia 48 Fc
Klagenfurt, Austria 48 Fe
Klaipeda, Lithuania 47 Jj
Klamath R., California 87 Be
Klamath Falls, Oregon 87 Cd
Klamath Mts., California 87 Be
Klamono, W. Irian 63 Kl
Klang, W. Malaysia 67 Cf
Klar Älv, Sweden 46 Ef
Klausenburg. See Cluj
Klerksdorp, Transvaal 75 De
Kleszczele, Poland 49 Kb
Klimpfjall, Sweden 46 Fd
Klisura, Bulgaria 56 Ec
Kliuchi, Russia 61 Gd
Ključ, Yugoslavia 54 Fc
Klodawa, Poland 49 Hb
Klofta, Norway 47 Df
Klomnice, Poland 49 Hc
Klondike R., Yukon 80 Dd
Kloosterzande, Netherlands 44 Cc
Klosters, Switzerland 45 Eb
Kluane, L., Yukon 80 Dd
Klundert, Netherlands 44 Cc
Klyuchyevskaya Sopka, Russ. 59 Rc
Knighton, Wales 31 Eh
Knin, Yugoslavia 54 Fc
Knob, C., W. Australia 94 Cf
Knockmealdown Mts., Eire 31 Bh
Knokke, Belgium 44 Bc
Knox, Pennsylvania 86 Ab
Knox Coast, Antarctica 100 Hc
Knoxville, Tennessee 85 Kd
Knysna, Cape Province 75 Cf
Knyszyn, Poland 49 Kb
Koartak, Quebec 81 Td
Kobarid, Yugoslavia 54 Db
Kobe, Japan 66 Dg
Köbenhavn, Denmark 47 Dj
Koblenz, Germany 48 Bc
Kobrin, Belorussia 60 De
Kobroör, I., Indonesia 63 Km
Kocaeli. See Izmit
Kočani, Yugoslavia 56 Dd
Kočevje, Yugoslavia 54 Ec
Ko Chang, Thailand 67 Cd
Kochi, Japan 66 Ch
Kochow. See Mowming
Kochumdek, Russia 59 Jb
Kodavere. See Kallaste
Kodiak & I., Alaska 85 Xm
Koekelare, Belgium 44 Ac
Koffiefontein, O.F.S. 75 De
Koforidua, Ghana 78 Eg
Kofu, Japan 66 Fg
Kogaluk R., Quebec 81 Re
Kohat, W. Pakistan 70 Bd
Kohima, India 69 Hc
Kojonup, W. Australia 94 Cf
Kokand, Uzbekistan 73 Ka
Kokchetav, Kazakhstan 58 Fc
Kokhtla Yarva, Estonia 47 Mg
Kokkola, Finland 46 Ke
Kokoda, Papua 95 Ja
Kokomo, Indiana 83 Ce
Kokoshili Ra., Tibet 69 Fa
Kokpekty, Kazakhstan 58 Hd
Koksijde, Belgium 44 Ac
Kokstad, Cape Province 75 Df
Kokura, Japan 66 Bh
Ko Kut, Thailand 67 Cd
Kokyar, China 70 Eb
Ko-lan-chow, China 64 Ec
Kolar, India 68 Ef
Kolari, Finland 46 Kc
Kolarovgrad, Bulgaria 56 Fc
Kolberg. See Kołobrzeg
Kolda, Senegal 78 Bf
Kolding, Denmark 47 Cj
Kole, Belgian Congo 76 Fd
Kolguyev Ostrov, Russia 58 Db
Kolhapur, India 68 De
Kolin, Czechoslovakia 48 Fc
Kolkas Rags, Latvia 47 Kh
Köln, Germany 48 Bc
Kolno, Poland 49 Jb
Kolo, Poland 49 Hb
Kolo, Tanzania 77 He
Kołobrzeg, Poland 49 Fa
Kologriv, Russia 61 Ga
Kolokani, Mali 78 Df
Kolomna, Russia 60 Ld
Kolomyya, Ukraine 60 Dg
Kolossia, Kenya 77 Hd
Kolpakovskiy, Russia 59 Qc
Kolpashevo, Russia 58 Hc
Kolwezi, Congo 76 Fg
Kolyma, R., Russia 59 Qb
Kolymskiy, Khrebet, Russia 59 Qb
Komandorskiye Ostr., Russ. 59 Rc
Komariya, Ceylon 68 Fg
Komarno, Czechoslovakia 49 He
Komatsu, Japan 66 Ef
Komi, aut. rep., Russia 58 Eb
Kommunisma Peak, Tadzhikskaya S.S.R 58 Ge
Komoran, I., W. Irian 63 Lm
Komotini, Greece 56 Ed
Kompong Cham, Cambodia 67 Dd
Kompong Chhnang, Cambodia 67 Cd
Kompong-thom, Cambodia 67 Cd
Komsomolets Ostrov, Russia 59 Ja
Komsomolsk, Russia 59 Nc
Kondinskoe, Russia 58 Fb
Kondoa, Tanzania 77 He
Kong, Ivory Coast 78 Eg
Kong Karl's Land, Arctic Oc. 58 Ba
Kongmoon, China 65 Fl
Kongor, Sudan 79 Mg
Kongsberg, Norway 47 Cg
Kongsmoen, Norway 46 Ed
Kongsvinger, Norway 47 Ef
Kongwa, Tanzania 77 Hf
Königsberg. See Kaliningrad
Königshütte. See Chorzow
Konispol, Albania 57 Ce
Konjic, Yugoslavia 56 Ac
Konotop, Ukraine 60 Hf
Konstantinovka, Ukraine 60 Kg
Konstantinovsk, Russia 61 Eg
Konstanz, Germany 48 Ce
Kontiomäki, Finland 46 Nd
Konya, Turkey 72 Bb
Konza, Kenya 77 He
Kootenay Park, B. Columbia 80 Hf
Kootwijk, Netherlands 44 Db
Kopeisk, Russia 61 Qc
Kopervik, Norway 47 Ag
Köping, Sweden 47 Fg
Kopparberg, Sweden 47 Fg
Koppigen, Switzerland 45 Ca
Koprivnica, Yugoslavia 54 Fb
Kora, India 71 Cb
Korangi, West Pakistan 73 Je
Korçë, Albania 57 Cd
Korčula, I., Yugoslavia 54 Fd
Korea, N., E. Asia 62 Jb
Korea, S., E. Asia 62 Jc
Korea B., Korea 62 Hc
Korea Kaikyo, Korea 62 Jd
Korinthía & Argolís, Greece 57 Df
Kórinthos, Greece 57 Df
Korinthos, G. of, Greece 57 De
Koritza. See Korçë
Kormakiti, C., Cyprus 74 Ab
Kornat, I., Yugoslavia 54 Ed
Korneuburg, Austria 49 Gd
Korogwe, Tanzania 77 Hf
Körös, Hungary 56 Ca
Korosten, Ukraine 60 Ff
Koro Toro, Chad 79 Je
Korpo, Finland 47 Jf
Korsakov, Russia 59 Pd
Korsnas, Finland 46 Je
Korsnes, Norway 46 Gb
Kortgem, Netherlands 44 Bc
Korthpulé, Albania 56 Bd
Korti, Sudan 79 Me
Kortrijk. See Courtrai
Korwai, India 71 Bc
Koryakskiy Khrebet, Russia 59 Rb
Kos, I., Greece 57 Ff
Koscierzyna, Poland 49 Ga
Kosha, Sudan 79 Md
Koshchagyl, Kazakhstan 58 Ed
Koshiki Retto, Japan 66 Aj
Kosi, India 70 Eg
Košice, Czeckoslovakia 49 Jd
Kosima, Kuwait 72 Ed
Koslan, Russia 58 Db
Köslin. See Koszalin
Kosovo Metohija, Yugoslavia 56 Cc
Kostainica, Yugoslavia 54 Fc
Kosti, Sudan 79 Mf
Kostino, Russia 58 Hb
Kostroma, Russia 60 Mc
Koszalin, Poland 49 Gb
Kota Bharu, W. Malaysia 67 Ce
Kotah, India 68 Ec
Kota Kota, Malawi 77 Gg
Kotalpur, India 71 Fd
Kota Tinggi, W. Malaysia 67 Cf
Kotcha L., British Columbia 80 Ge
Kotehandpur, E. Pakistan 71 Gd
Kotel, Bulgaria 56 Fc
Kotelnich, Russia 61 Ja
Kotelnyy, Ostrov, Russia 59 Na
Köthen, Germany 48 Dc
Kotido, Uganda 77 Gd
Kotka, Finland 47 Mf
Kot Kapura, India 70 De
Kot Kasim, India 70 Ef
Kotkhai, India 70 Ee
Kotlas, Russia 58 Db
Kotli, Kashmir 70 Cd
Kotonkoro, Nigeria 78 Gf
Kotri, W. Pakistan 68 Cc
Kotturu, India 68 Ef
Kotzebue Sound, Alaska 85 Wl
Kouango, Cent. Afr. Rep. 79 Kg
Koudougou, Volta 78 Ef
Koulikoro, Mali 78 Df
Koundé, Cent. Afr. Rep. 79 Hg
Kourou, French Guiana 91 Gb
Koutiala, Mali 78 Df
Kouvola, Finland 47 Mf
Kovel, Ukraine 60 Df
Kovno. See Kaunas
Kovrov, Russia 61 Eb
Kowloon, China 65 Gl
Koyiu, China 65 Fl
Koyukuk, R., Alaska 85 Xl
Kozan, Turkey 72 Cb
Kozani, Greece 57 Cd
Kozhikode, India 68 Ef
Kra & Isthmus of, Thailand 67 Bd
Krabi, Thailand 67 Be
Kragerö, Norway 47 Cg
Kragujevac, Yugoslavia 56 Cb
Kraków, Poland 49 Hc
Kramatorsk, Ukraine 60 Kg
Kranj, Yugoslavia 54 Eb
Kranystaw, Poland 49 Kc
Krapina, Yugoslavia 54 Eb
Krasino, Novaya Zemlya 58 Ea
Krasnobród, Poland 49 Kc
Krasnodar, Russia 58 Cd
Krasnograd, Ukraine 60 Jg
Krasnoufimsk, Russia 61 Nb
Krasnovishersk, Russia 58 Eb
Krasnovodsk, Turkmenistan 58 Ed
Krasnoyarsk, Russia 59 Jc
Krasnyy Kholm, Russia 60 Kb
Krasnyy Kut, Russia 61 He
Krasnyy Uzel, Russia 61 Gc
Krasnyy Yar, Russia 61 Ge
Kratie, Indo-China 67 Dd
Krefeld, Germany 48 Bc
Kremenchug, Ukraine 60 Hg
Kremensk, Russia 61 Ff
Krems, Austria 49 Fd
Kretinga, Lith. 47 Jj
Kreuzlingen, Switzerland 45 Ea
Kribi, Cameroon 79 Gh
Krimml, Austria 48 Ee
Krishnanagar, India 71 Gd
Krishnaraja Res., India 68 Ef
Kristiansand, Norway 47 Cg
Kristianstad, Sweden 47 Fh
Kristiansund, Norway 46 Be
Kristiinankaupunki, Finland 46 Je
Kristinehamn, Sweden 47 Fg
Kriti, I, Greece 57 Eg
Kriva Palanka, Yugoslavia 56 Dc
Krivoy Rog, Ukraine 60 Hh
Krizevči, Yugoslavia 54 Fb
Krk, I., Yugoslavia 54 Ec
Krnov, Czechoslovakia 49 Gc
Kroken, Norway 46 Fd
Kroměříz, Czechoslovakia 49 Gd
Kronoby, Finland 46 Ke
Kronshtadt, Russia 60 Fa
Kroonstad, Orange Free State 75 De
Kropotkin, Russia 58 Dd
Krotoszyn, Poland 49 Gc
Krško, Yugoslavia 54 Ec
Krugersdorp, Transvaal 75 De
Kruishoutem, Belgium 44 Bd
Krujë, Albania 56 Bd
Krumbach, Germany 48 Dd
Krumlov, Czechoslovakia 48 Fd
Krung Thep, Thailand 67 Cd
Krupnik, Bulgaria 56 Dd
Krusevac, Yugoslavia 56 Cc
Kruševo, Yugoslavia 56 Cd
Krustpils, Latvia 47 Lh
Krzyz, Poland 49 Gb
Ksabi, Algreia 78 Ec
Ksar El Boukhari, Algeria 78 Fa
Ksar-el-Kebir, Morocco 78 Dd
Ktima, Cyprus 74 Ac
Kuala, Sumatra 63 Ck
Kuala Kangsar, W. Malaysia 67 Cf
Kuala Klawang, W. Malaysia 67 Cf
Kuala Krai, W. Malaysia 63 Dj
Kuala Lipis, W. Malaysia 67 Cf
Kuala Lumpur, W. Malaysia 67 Cf
Kuandang, Celebes 63 Hk
Kuangchow, China 65 Fl
Kuang-hsi. See Kwangsi
Kuang-tung. See Kwangtung
Kuantan, W. Malaysia 63 Dk
Kub, South-West Africa 75 Bd
Kucha, China 58 Hd
Kuching, Sarawak 63 Fk
Kuchow. See Jungkiang
Kudat, N. Borneo 63 Gj
Kudymkar, Russia 58 Ec
Kuei-chou. See Kweichow
Kuei-lin. See Kweilin
Kueiteh, China 62 Dc
Kuhak, Iran 73 Hd
Kuh Banan, Iran 73 Gc
Kuh-e-Bul, Iran 73 Fc
Kuh Furgan, Iran 73 Gd
Kuh-i-Dinar, Iran 73 Fc
Kuhmo, Finland 46 Nd
Kuhpayeh, Iran 73 Fc
Kuhrud. See Qohoud
Kuhsan, Afghanistan 73 Hc
Kuibis, South-West Africa 75 Be
Kuikang, China 65 Hh
Kuilenburg, Netherlands 44 Dc
Kuinre, Netherlands 44 Db
Kui Nua, Thailand 67 Bd
Kukatush, Ontario 83 Ea
Kukawa, Nigeria 79 Hf
Kukës, Albania 56 Cc
Kukong, China 65 Fk
Kulachi, West Pakistan 70 Be
Kuldiga, Latvia 47 Kh
Kuldja, China 58 Hd
Kulgera, Northern Territory, Australia 95 Fe
Kulhakangri Mt., Tibet 69 Hc
Kulin, China 65 Bh
Kulmbach, Germany 48 Dc
Kulu, India 70 Ee
Kulunda, Russia 58 Gc
Kumai, Borneo 63 Fl
Kumamoto, Japan 66 Bh
Kumara, New Zealand 93 Ce
Kumara, Russia 59 Mc
Kumasi, Ghana 78 Eg
Kumbakonam, India 68 Ef
Kumher, India 71 Ab
Kumora, Russia 59 Lc
Kumta, India 68 Df
Kunda, Estonia 47 Mg
Kunduz, Afghanistan 73 Jb
Kungchang. See Lungsi
Kungnang, India 69 Hd
Kungrad, Uzbekistan 58 Ed
Kungur, Russia 61 Nb
Kunhsien, China 64 Ef
Kunlun Shan, China-Tibet 40 He
Kunming, China 62 De
Kunsan, Korea 62 Jc
Kuopio, Finland 46 Me
Kupa R., Yugoslavia 54 Ec
Kupang, Timor I. 63 Hn
Kupiškis, Lithuania 47 Lj
Kupyansk, Ukraine 60 Kg
Kure, Japan 66 Cg
Kure, I., Hawaiian Is. 98 He
Kureika, Russia 58 Hb
Kurgan, Russia 58 Fc
Kuria Muria Is., Arabian Sea 73 Gf
Kurigram, East Pakistan 71 Gc
Kuril'skiye Ostrova, Russia 59 Pd
Kurnool, India 68 Ee
Kurram, W. Pakistan 70 Bd
Kurskiy Zaliv, Russia 47 Jj
Kursky, Russia 60 Kf
Kurtalan, Turkey 72 Db
Kuru, Finland 47 Kf
Kuruman, Cape Province, South Africa 75 Çe
Kurume, Japan 66 Bh
Kurunegala, Ceylon 68 Fg
Kusa, Russia 61 Pc
Kusaie, I., Caroline Is. 98 Fg
Kushersk, Russia 61 Ma
Kushiro, Japan 66 Jc
Kushk, Afghanistan 73 Hc
Kushka, Turkmenistan 58 Fe
Kushtia, East Pakistan 71 Gd
Kushva, Russia 61 Pa
Kuskokwim B., Alaska 85 Wm
Kusma, Nepal 71 Da
Kustanay, Kazakhstan 58 Fc
Kütahya, Turkey 72 Ab
Kutai R., Borneo 63 Gk
Kut-al-Hai. See Al Hayy
Kutaradja, Sumatra 63 Cj
Kutch, Gt. Rann of, India 68 Cd
Kutch & Gulf of, India 68 Cd
Kutchian, Japan 66 Gc
Kutina, Yugoslavia 54 Fc
Kutno, Poland 49 Hb
Kütsing, China 65 Ak
Kutu, Ethiopia 77 Gc
Kutum, Sudan 79 Kf
Kuusamo, Finland 46 Nd
Kuusjärvi, Finland 46 Ne
Kuwait & state, Persian G. 72 Ed
Kuyang, China 64 Eb
Kuybyshev, Russia 61 Kd
Kuybyshev, Russia 58 Gc
Kuybyshevskoye Vdkhr., Russia 61 Jc
Kuytan, Russia 59 Kc
Kuzhbal, Russia 61 Ga
Kuzino, Russia 61 Pb
Kuzmin, Yugoslavia 56 Bb
Kuznetsk, Russia 61 Hd
Kuzovatovo, Russia 61 Hd
Kvalöy, N., Norway 46 Ha
Kvalöy, S., Norway 46 Hb
Kvarken, Ostra, Sweden 46 Je
Kvarner, G. of, Yugoslavia 54 Ec
Kvarnerolo, G. of, Yugosl. 54 Ec
Kvesmenes, Norway 46 Jb
Kwajalein, Is., Marshall Is. 98 Fg
Kwakhanai, Botswana 75 Cd
Kwakoegron, Surinam 91 Fb
Kwangchang, China 65 Hj
Kwangchow Wan, China 65 Em
Kwangnan, China 65 Bk
Kwangping. See Yungnien
Kwangshun, China 65 Cj
Kwangsi, prov., China 65 Cl
Kwangsin. See Shangjao
Kwangtung, prov., China 65 Fl
Kwang-Tung Pen., China 64 Kc
Kwania L., Uganda 77 Gd
Kweichih, China 65 Hg
Kweichow. See Fengkieh
Kweichow, prov., China 65 Bj
Kweihwa. See Kweisui
Kweihwa. See Tzeyun
Kweiki, China 65 Hh
Kwei'lin, China 65 Ek
Kweiping, China 65 El
Kweisui. See Huhehot
Kweiteh. See Shangkiu
Kweiyang, China 65 Cj
Kweiyang, China 65 Fk
Kwi-chu. See Phu Qui
Kwidzyń, Poland 49 Hb
Kwitao, Burma 69 Jc
Kwoka, Mt., W. Irian 63 Kl
Kyakhta, Russia 59 Kc
Kyancutta, S. Australia 95 Gf
Kyangin, Burma 69 Je
Kyaukpadating, Burma 69 Jd
Kyaukpyu, Burma 69 Hé
Kyaukse, Burma 69 Jd
Kyauktaw, Burma 69 Hd
Kyelang, India 70 Ed
Kyi R., Tibet 69 Hc
Kymi, Finland 47 Mf
Kynšperk, Czechoslovakia 48 Ec
Kynuna, Queensland 95 Hd
Kyoga L., Uganda 77 Gd
Kyoto, Japan 66 Dg
Kyrenia, Cyprus 74 Bb
Kyshtym, Russia 61 Qc
Kythrea, Cyprus 74 Bb
Kyushu, I., Japan 66 Bh
Kyustendil, Bulgaria 56 Dc
Kyusyur, Russia 59 Ma
Kyzyl, Russia 59 Jc
Kyzyl Kum, Uzbek., etc. 58 Fd
Kyzylsk, Russia 61 Pd
Kzyl Orda, Kazakhstan 58 Fd
Laanila, Finland 46 Mb
La Asencion, Mexico 88 Ca
La Asuncion, Margarita I., Venezuela 90 Ea
Laban, Jordan 74 Dg
La Banda, Argentina 92 Dc
Labang, Sarawak 63 Fk
Labé, Guinea 78 Cf
Labelle, Quebec 83 Jb
Laberge, L., Yukon 80 Dd
Labouheyre, France 53 Cd
Laboulaye, Argentina 92 Dd
Labrador, Canada 81 Uf
Labrea, Brazil 90 Ee
La Brea, Trinidad 90 Ea
Labuan, I., N.-W. Borneo 63 Gj
Labuk B., N. Borneo 63 Gj
Labytnangi, Russia 40 Fb
La Canoa, Venezuela 90 Eb
La Carlota, Argentina 92 Dd
La Carolina, Spain 50 Dc
Laccadive Is., Indian Ocean 68 Df
La Ceiba, Venezuela 90 Cb
Lac Frontiere, Quebec 82 Cc
Lachen, Switzerland 45 Da
Lachine, Quebec 83 Kc
Lachlan R., New S. Wales 95 Jf
Lachmangarh, India 70 Dg
Lachute, Quebec 83 Jc
Lackawanna, New York 86 Aa
Lackawaxen, Pennsylvania 86 Cb
La Cocha, Argentina 92 Cc
Lacombe, Alberta 80 Jf
Laconia, New Hampshire 86 Ea
La Copelina, Argentina 92 Ce
La Coruña, Spain 50 Aa
Lac-Rémi, Quebec 83 Jb
La Crosse, Wisconsin 85 Hc
La Cruz, Colombia 90 Bc
La Cruz, Mexico 88 Cb
Ladakh Ra., Tibet/Kashmir 68 Eb
Ladiz, Iran 73 Hd
Ladoga L. See Ladozhskoye Oz.
La Dorada, Colombia 90 Cb
Ladozhskoye Ozero, Russia 60 Ga
Ladwa, India 70 Ef
Lady Neunes B., Antarctica 100 Lb
Ladysmith, British Columbia 80 Gg
Ladysmith, Natal 75 De
Lae, New Guinea 95 Ja
Laeken, Belgium 44 Cd
Læsö, I., Denmark 47 Dh
La Esperanza, Honduras 89 Bd
La Estrada, Spain 50 Aa
La Fayette, Indiana 83 Ce
Lafayette, Louisiana 85 He
Lafontaine, Quebec 82 Dc
Lages, Brazil 91 Ke
Laggan L., Scotland 30 Ed
Laghouat, Algeria 78 Fb
Lagonegro, Italy 55 Ee
Lagos, Mexico 88 Dc
Lagos, Nigeria 78 Fg
Lagos, Portugal 50 Ad
La Grande, Oregon 87 Dc
La Grange, Georgia 85 Ke
Lagrange, Indiana 83 De
La Grange, W. Australia 94 Dc
La Granja, Spain 50 Cb
La Guaira, Venezuela 90 Da
La Guardia, Argentina 92 Cc
La Guardia, Spain 50 Ab
Laguna, Brazil 92 Gc
Lagunas, Peru 90 Be
Lagunillas, Bolivia 90 Eg
Laharpur, India 71 Cb
Lahej, South Yemen 72 Dg
Lahijan, Iran 73 Fb
Laholm, Sweden 47 Eh
Lahore, West Pakistan 70 De
Lahti, Finland 47 Lf
Laibach. See Ljubljana
Lai, C., N. Vietnam 67 Dc
Lai-chau, N. Vietnam 67 Cb
Laichow. See Yehsien
Laigle, France 52 Db
Laila, Arabia 72 Ee
Laingsburg, Cape Province, South Africa 75 Cf
Laisamis, Kenya 77 Hd
Laishev, Russia 61 Jc
Laives, Italy 45 Gb
Laja, L., Chile 92 Be
La Japonesa, Argentina 92 Ce
Lajes, Brazil 92 Fc
La Junquera, Spain 51 Ga
La Junta, Colorado 84 Fd
Lakaträsk, Sweden 46 Jc
Lake Charles, Louisiana 85 Hf
Lake City, Michigan 83 Dc
Lake Edward, Quebec 83 Kb
Lakefield, Ontario 83 Gc
Lake Geneva, Wisconsin 83 Bd
Lake George, New York 86 Da
Lake Grace, W. Australia 94 Cf
Lake Harbour, N.-W. Terr. 81 Td
Lake King, W. Australia 94 Cf
Lakeland, Florida 85 Kf
Lake Majella, California 87 Cg
Lake Nash, N. Terr., Aust. 95 Gd
Lake Pleasant, New York 86 Ca
Lake Pukaki, New Zealand 93 Cf
Lake Victoria Res., Quebec 83 Hb
Lakeview, Oregon 87 Cd
Lakewood, New Jersey 86 Cb
Lakewood, New York 86 Aa
Lakewood, Ohio 83 Fe
Lakhimpur, India 71 Cb
Lakhimpur, India 69 Hc
Lakki, West Pakistan 70 Bd
Lakkor Tso, Tibet 69 Fb
Lakonía, Greece 57 Df
Lakonía, G. of, Greece 57 Df
Lakota, Ivory Coast 78 Dg
Lakse Fd., Norway 46 Ma
Lakselv, Norway 46 La
Laktsang, Tibet 69 Fb
Lala Musa, West Pakistan 70 Dd
Lalbagh, India 71 Gc
Lalganj, India 71 Ec
La Libertad, Ecuador 90 Ad
La Libertad, Guatemala 88 Fd
La Libertad, Nicaragua 89 Bd
La Ligua, Chile 92 Bd
Lalin, Spain 50 Aa
Lalitpur, India 71 Bc
La Maddalena, I., Sardinia 55 Be
La Malbaie, Quebec 83 Lb
La Manche, Newfoundland 82 Mc
Lamastre, France 53 Fd
Lambach, Austria 48 Ed
Lamballe, France 52 Bb
Lambayeque, Peru 90 Be
Lambert's Ld., Greenland 39 Mb
Lambertville, New Jersey 86 Cb
Lámbia, Greece 57 Cf
Lambton, C., N.-W. Terr. 81 Gb
Lamé, Chad 79 Hg
Lamego, Portugal 50 Bb
Lamía, Greece 57 De
Lammermuir Hills, Scotland 30 Fe
Lamotrek Is., Caroline Is. 98 Dg
Lampazos, Mexico 88 Db
Lampedusa, I., Medit. Sea 79 Ha
Lampeter, Wales 31 Eh
Lamphun, Thailand 67 Bc
Lampi, I., Burma 69 Jf
Lamu, Kenya 77 Je
Lamud, Peru 90 Be
Lanark & co., Scotland 30 Ee
Lancashire, co., England 31 Fg
Lancaster, England 31 Ff
Lancaster, New Brunswick 81 Tg
Lancaster, New Hampshire 83 Lc
Lancaster, New York 86 Aa
Lancaster, Pennsylvania 86 Bb
Lancaster, Wisconsin 83 Ad
Lancaster Sd., N.-W. Terr. 81 Pb
Lanchow, China 64 Dc
Landeck, Austria 48 De
Landen, Belgium 44 Dd
Landerneau, France 52 Ab
Landes, dep., France 53 Cd
Landfall, I. See Recalada
Landi Khana. See Tor Khama
Landi Kotal, W. Pakistan 70 Bc
Landon, Sweden 46 Fe
Landsberg, Germany 48 Dd
Landsberg. See Gorzów
Land's End, England 31 Dk
Landshut, Germany 48 Ed
Landskrona, Sweden 47 Ej
Langaa, Denmark 47 Ch
Langadhas, Greece 57 Dd
Langana L., Ethiopia 77 Hc
Langchung, China 64 Cg
Langeac, France 53 Ed
Langeland, I., Denmark 47 Dj
Längelmavesi, Finland 47 Lf
Langenthal, Switzerland 45 Ca
Langholm, Scotland 30 Fe
Lang Jökull, Iceland 46 Vm
Langkawi, I., W. Malaysia 67 Be
Langlade, Quebec 83 Ja
Langogne, France 53 Ed
Langon, France 53 Cd
Langöy, Norway 46 Fb
Langres, France 52 Fc
Langsa, Sumatra 63 Ck
Långsele, Sweden 46 Ge
Lang-Son, N. Vietnam 67 Db
Långträsk, Sweden 46 Jd
Languedoc, prov., France 53 Ee
Lanklaer, Belgium 44 Dc
Lankor Tso, Tibet 69 Fb
Lannion, France 52 Bb
Lansdale, Pennsylvania 86 Cb
Lansing, Michigan 83 Dd
Lanusei, Sardinia 55 Bf
Lanzarote, I., Canary Is. 78 Cc
Laoag, Philippines 63 Hg
Lao Bao, Laos 67 Dc
Lao-chang-Ho R., China 64 Hd
Lao Kay, N. Vietnam 67 Cb
Laon, France 52 Eb
La Oroya, Peru 90 Bf
Laos, South-East Asia 67 Cc
Lao shan, China 64 Kd
Lapalisse, France 52 Ec
La Paragua, Venezuela 90 Eb
La Paz, Argentina 92 Ed
La Paz, Argentina 92 Cd
La Paz, Bolivia 90 Dg
La Paz, Honduras 89 Bd
La Paz, Mexico 88 Bc
Lapchung L., Tibet 69 Gb
Lapeer, Michigan 83 Ed
La Pelada, Argentina 92 Dd
La Pérouse, str., U.S.S.R.-Japan 66 Gb
Lapinlahti, Finland 46 Me
Lapithos, Cyprus 74 Bb
La Plata, Argentina 92 Ed
La Porte, Indiana 83 Ce
Laporte, Pennsylvania 86 Bb
Lapovo, Yugoslavia 56 Cb
Lappa Järvi, Finland 46 Ke
Lappeenranta, Finland 47 Nf
Lappland, N. Europe 46 Jb
Lapptrask, Sweden 46 Kc
Laprida, Argentina 92 De
Laptevykh Sea, Russia 59 La
Lăpuşul Românesc. See Tirgu Lăpuş
Łapy, Poland 49 Kb

La Quiaca, *Argentina* 92 Cb
Lar, *Iran* 73 Fd
Larache, *Morocco* 78 Da
Laragne, *France* 53 Fd
Laramate, *Peru* 90 Cf
Laramie, *Wyoming* 84 Ec
Laramie Mts., *Wyoming* 84 Ec
Laranjeiras, *Brazil* 91 Kf
La Rasse, *Switzerland* 45 Ba
Larchwood, *Ontario* 83 Fb
Laredo, *Texas* 84 Gf
Largeau, *Chad* 76 Da
Largs, *Scotland* 30 De
Larino, *Italy* 55 Ee
La Rioja, *Argentina* 92 Cc
Larisa, *Greece* 57 De
Larkana, *West Pakistan* 68 Cc
Larnaca & B., *Cyprus* 74 Bc
Larne, *N. Ireland* 31 Df
La Robla, *Spain* 50 Ca
Laroche, *Belgium* 44 Dd
La Rochelle, *France* 52 Cc
La Roda, *Spain* 51 Dc
Larrimah, *N.Terr., Aust.* 94 Fc
Lars Christensen Coast, *Antarctica* 100 Fc
Laruns, *France* 53 Ce
Larvik, *Norway* 47 Dg
Laryak, *Russia* 58 Gb
La Salle, *Illinois* 83 Be
Las Anod, *Somalia* 77 Kc
La Sarre, *Quebec* 81 Rg
Las Cejas, *Argentina* 92 Dc
Las Colorados, *Argentina* 92 Be
Las Cruces, *Mexico* 88 Cb
Las Cruces, *New Mexico* 84 Ee
La Serena, *Chile* 92 Bc
Las Flores, *Argentina* 92 Ee
Lash. See Khash
Las Heras, *Argentina* 92 Cg
Lashio, *Burma* 69 Jd
Lashkar, *India* 71 Bb
Lashkar Gah, *Afghanistan* 68 Bb
Lasithi, *Crete* 57 Eg
Lasjerd, *Iran* 73 Fb
Las Khoreh, *Somalia* 77 Kb
Las Lajas, *Argentina* 92 Be
Las Lomitas, *Argentina* 92 Db
Las Palmas, *Canary Is.* 78 Bc
Las Plumas, *Argentina* 92 Cf
Lassen Pk., *California* 87 Ce
Lassen Vol. Nat. Park, *California* 87 Ce
Las Tablas, *Panama* 89 Ce
Last Mountain L., *Sask.* 80 Kf
Lastovo, I., *Yugoslavia* 54 Fd
Las Vegas, *Nevada* 87 Fg
Las Vegas, *New Mexico* 84 Ed
Latacunga, *Ecuador* 90 Bd
Latakia, *Syria* 74 Db
Laterrière, *Quebec* 82 Cb
Latina, *Italy* 55 De
Latrobe, *Pennsylvania* 86 Ab
Latrun, *Jordan* 74 Cf
La Tuque, *Quebec* 83 Kb
Latvia, rep., *U.S.S.R.* 47 Kh
Latviyskaya S.S.R. See Latvia
Laufen, *Switzerland* 45 Ca
Lauhkaung. See Launggyang
Launceston, *England* 31 Ek
Launceston, *Tasmania* 95 Jh
Launggyang, *Burma* 69 Jc
La Unión, *Chile* 92 Bf
La Unión, *Mexico* 88 Dd
La Unión, *Salvador* 89 Bd
La Unión, *Spain* 51 Ed
Laura, *Queensland* 95 Hc
La Urbana, *Venezuela* 90 Db
Laurel, *Maryland* 86 Bc
Laurel, *Mississippi* 85 Je
Laurel Hill, *Pennsylvania* 86 Ab
Laurent, *Quebec* 83 Kb
Laurentide Mts., *Quebec* 82 Bc
Laurentides Park, *Quebec* 82 Cc
Lauria, *Italy* 55 Ee
Laurie, I., *South Orkneys* 100 Tc
Lausanne, *Switzerland* 45 Bb
Lautaro, *Chile* 92 Be
Lautem. See Vila Nova de Malaca
Lauzon, *Quebec* 83 Lb
Lavacherie, *Belgium* 44 Dd
Laval, *France* 52 Cb
Laval B., *Quebec* 82 Db
Lavalle, *Argentina* 92 Cd
Lavalleja. See Minas
Lavamünd, *Austria* 48 Fe
Lavardac, *France* 53 Dd
La Vega, *Rep. Dominicana* 89 Ec
La Vela, *Venezuela* 90 Da
Laverton, *W. Australia* 94 De
Lavongai. See New Hanover
Lavos, *Portugal* 50 Ab
Lavras, *Brazil* 91 Hh
Lavras, *Brazil* 92 Fd
Lavras, *Brazil* 91 Ke
Lavrentiya, *Russia* 59 Tb
Lávrion, *Greece* 57 Ef
Lawk Sawk, *Burma* 69 Jd
Lawlers, *W. Australia* 94 De
Lawra, *Ghana* 78 Ef
Lawrence, *Massachusetts* 86 Ea
Lawrence, *New Zealand* 93 Bf
Lawton, *Oklahoma* 84 Ge
Laysan I., *Hawaiian Is.* 98 He
Lazarevac, *Yugoslavia* 56 Cb
Lazio, reg., *Italy* 55 Dd
Lead, *South Dakota* 84 Fc
Leadville, *Colorado* 84 Ed
Leaf R., *Quebec* 81 Se
Leamington, *Ontario* 83 Ed
Learmonth, *W. Australia* 94 Bd
Leavenworth, *Kansas* 84 Gd
Łeba, *Poland* 49 Ga
Lebanon, *New Hampshire* 86 Da
Lebanon, *Pennsylvania* 86 Bb
Lebanon, *West Asia* 72 Cc
Lebesby, *Norway* 46 Ma
Lebombo Mts., *S. Africa* 75 Ee
Lebork, *Poland* 49 Ga
Lebu, *Chile* 92 Be
Lebwa, *Lebanon* 74 Ec
Lecce, *Italy* 55 Ge
Lecco, *Italy* 54 Bc
Lectoure, *France* 53 De
Ledbury, *England* 31 Fh
Ledesma, *Argentina* 92 Db
Ledesma, *Spain* 50 Cb
Ledo *India* 69 Jc
Leeds, *England* 31 Fg
Leende, *Netherlands* 44 De
Leerbeek, *Belgium* 44 Cd
Leerdam, *Netherlands* 44 Dc
Leesburg, *Virginia* 86 Bc
Leeuwarden, *Netherlands* 44 Da
Leeuwin, C., *W. Australia* 94 Bf
Leeward Is., *West Indies* 89 Gc
Lefka, *Cyprus* 74 Ab
Lefkara, *Cyprus* 74 Bc
Lefkoniko, *Cyprus* 74 Bb
Lefroy, L., *W. Australia* 94 Df
Legaspi, *Philippines* 63 Hh
Legge Pk., *Tasmania* 95 Jh
Leghorn. See Livorno
Legnica, *Poland* 49 Gc
Leh, *Kashmir* 70 Ec
Le Havre, *France* 52 Db
Lehi, *Utah* 84 Dc
Lehututu, *Botswana* 75 Cd
Leiah, *West Pakistan* 70 Be
Leicester & co., *England* 31 Gh
Leichhardt, R., *Queensland* 95 Gc
Leiden, *Netherlands* 44 Cb
Leigh Creek, *S. Australia* 95 Gf
Leighton Buzzard, *England* 31 Gj
Leignon, *Belgium* 44 Dd
Leimuiden, *Netherlands* 44 Cb
Leinster, prov., *Eire* 31 Cg
Leipzig, *Germany* 48 Ec
Leith, *Scotland* 30 Ee
Leitrim, co., *Eire* 31 Bf
Leix (Laoighis), co., *Eire* 31 Ch
Leiyang, *China* 65 Fj
Leka, *Norway* 46 Dd
Le Kef, *Tunisia* 79 Ga
Leksands Noret, *Sweden* 47 Ff
Leksvik, *Norway* 46 De
Leland, *Michigan* 83 Dc
Leleque, *Argentina* 92 Bf
Le Maire, Estrecho de, *Argentina* 92 Dh
Léman, Lac, *Switzerland* 45 Bb
Le Mans, *France* 52 Db
Lemberg. See Lvov
Lemnos. See Limnos, I.
Lemyethna, *Burma* 69 Je
Lena, R., *Russia* 59 Mb
Lenina, Park, *Kirgizia* 58 Ge
Leninabad, *Uzbekistan* 58 Fd
Leninakan, *Armyanskaya S.S.R.* 58 Dd
Leningrad, *Russia* 60 Gb
Leninka, *Russia* 59 Sb
Leninogorsk, *Kazakhstan* 58 Hc
Leninsk Kuznetskiy, *Russia* 58 Hc
Lenk, *Switzerland* 45 Cb
Lennox, I., *Chile & Argent.* 92 Cj
Lens, *France* 52 Ea
Lent, *Netherlands* 44 Dc
Lentiira, *Finland* 46 Nd
Lenvik, *Norway* 46 Hb
Lenya, *Burma* 69 Jf
Lenz, *Switzerland* 45 Eb
Lenzerheide, *Switzerland* 45 Eb
Leoben, *Austria* 48 Fe
Leominster, *England* 31 Fh
Leominster, *Massachusetts* 86 Ea
Léon, *France* 53 Ce
León, *Mexico* 88 Dc
León, *Nicaragua* 89 Bd
León, *Spain* 50 Ca
León, Monts. de, *Spain* 50 Ba
Leonforte, *Sicily* 55 Eg
Leonidhion, *Greece* 57 Df
Leonora, *W. Australia* 94 De
Leontevo, *Russia* 60 Kb
Léopold II L., *Congo* 76 De
Leopoldsburg, *Belgium* 44 Dc
Leopoldville. See Kinshasa
Lephepe, *Botswana* 75 Dd
Lepontine, Alpi, *Switz.-Italy* 45 Db
Lepreau, *New Brunswick* 82 Ed
Lercara Friddi, *Sicily* 55 Dg
Lerdo, *Mexico* 88 Db
Lerida, *Spain* 51 Fb
Lerma, *Argentina* 92 Cb
Lerma, *Spain* 50 Da
Lermoos, *Austria* 48 De
Léros, I., *Greece* 57 Ff
Le Roy, *New York* 86 Aa
Lerwick, *Scotland* 30 Ja
Lesbos. See Lesvos I.
Les Escoumins, *Quebec* 82 Db
Leskovac, *Yugoslavia* 56 Cc
Lesnoy, *Russia* 58 Cb
Lesotho, *S. Africa* 75 De
Lesozavodsk, *Russia* 59 Nd
Lesparre, *France* 53 Cd
Lesser Slave L., *Alberta* 80 He
Lessines, *Belgium* 44 Bd
Lestijärvi, *Finland* 46 Le
Lesvos, I., *Greece* 57 Ee
Leszno, *Poland* 49 Gc
Letea I., *Rumania* 56 Gb
Lethbridge, *Alberta* 80 Jg
Leti Kep., *Indonesia* 63 Jm
Leticia, *Colombia* 90 Dd
Letpadan, *Burma* 69 Jc
Letterkenny, *Eire* 30 Bf
Letty Harbour, *N.-W. Terr.* 80 Gc
Letur, *Spain* 51 Dc
Leucate, *France* 53 Ee
Leuk, *Switzerland* 45 Cb
Leuser, Mt., *Sumatra* 63 Ck
Leuven. See Louvain
Leuze, *Belgium* 44 Bd
Levádhia, *Greece* 57 De
Levanger, *Norway* 46 De
Leven L., *Scotland* 30 Ed
Levêque, C., *W. Australia* 94 Dc
Leviče, *Czechoslovakia* 49 Hd
Levick, Mt., *Antarctica* 100 Lb
Levin, *New Zealand* 93 Ed
Levis, *Quebec* 83 Lb
Levítha, I., *Greece* 57 Ff
Levkás, I., *Greece* 57 Ce
Levoča, *Czechoslovakia* 49 Jd
Lewes, *England* 31 Hk
Lewes R., *Yukon* 80 Dd
Lewis I., *Scotland* 30 Cb
Lewis Ra., *Montana* 84 Db
Lewisburg, *Pennsylvania* 83 He
Lewiston, *Idaho* 87 Eb
Lewiston, *Maine* 82 Cd
Lewiston, *Michigan* 83 Dc
Lewistown, *Illinois* 83 Ae
Lewistown, *Montana* 84 Eb
Lewistown, *Pennsylvania* 86 Bb
Lexington, *Kentucky* 85 Kd
Leydsdorp, *Transvaal* 75 Ed
Leysele, *Belgium* 44 Ad
Leyte, I., *Philippines* 63 Hh
Lezajsk, *Poland* 49 Kc
Lha-kang Dzong, *Tibet* 69 Hc
Lhasa, *Tibet* 69 Hc
Lha-tse Dzong, *Tibet* 69 Gc
Lhontse Dzong, *Tibet* 69 Hc
Liangchow. See Wuwei
Liangsiang, *China* 64 Hc
Liant, C., *Thailand* 67 Cd
Liao R., *China* 62 Hb
Liaocheng, *China* 64 Hd
Liaohsien, *China* 64 Fd
Liao-tung, G. of, *China* 64 Kc
Liaoyang, *China* 64 Lb
Liard, *N.-W. Territories* 80 Gd
Liard R., *N.-W. Territories* 80 Gd
Liari, *West Pakistan* 68 Cc
Liberec, *Czechoslovakia* 48 Fc
Liberia, *Costa Rica* 89 Bd
Liberia, *West Africa* 78 Cg
Libertad, *Mexico* 88 Bb
Libnan, Jebel, *Lebanon* 74 Dc
Libourne, *France* 53 Cd
Libreville, *Gabon* 76 Bd
Libya, *North Africa* 79 Hc
Licata, *Sicily* 55 Dg
Licheng. See Tsinan
Lichfield, *England* 31 Fh
Lida, *Belorussia* 60 De
Liddes, *Switzerland* 45 Cc
Liddon G., *N.-W. Terr.* 81 Jb
Lidköping, *Sweden* 47 Eg
Lido-di-Roma, *Italy* 55 De
Lidzbark, *Poland* 49 Ja
Liechtenstein, *Europe* 45 Ea
Liège & prov., *Belgium* 44 Dd
Liegnitz. See Legnica
Lieksa, *Finland* 46 Pe
Lienkong, *China* 65 Jj
Lienyunkang, *China* 64 Je
Lienz, *Austria* 48 Ee
Liepāja, *Latvia* 47 Jh
Lier, *Belgium* 44 Cc
Lierneux, *Belgium* 44 Dd
Liestal, *Switzerland* 45 Ca
Lievre R. du, *Quebec* 83 Jb
Lifu, I., *Loyalty Is.* 98 Fk
Ligure, Appennino, *Italy* 54 Bc
Liguria, reg., *Italy* 54 Bc
Ligurian Sea, *Italy* 54 Bd
Lihsien, *China* 65 Eh
Likiang, *China* 62 De
Likimi, *Congo* 76 Ed
Liling, *China* 65 Fj
Lilla Edet, *Sweden* 47 Eg
Lille, *Belgium* 44 Cc
Lille, *France* 52 Ea
Lillehammer, *Norway* 47 Df
Lillesand, *Norway* 47 Cg
Lillo, *Belgium* 44 Cc
Lillo, *Spain* 50 Dc
Lillooet, *British Columbia* 80 Gf
Lilongwe, *Malawi* 77 Gg
Lim-Fjorden, *Denmark* 47 Ch
Lima, *Ohio* 83 De
Lima, *Peru* 90 Bf
Limache, *Chile* 92 Bd
Limassol, *Cyprus* 74 Bc
Limay, R., *Argentina* 92 Ce
Limay Mahuida, *Argentina* 92 Ce
Limbazi, *Latvia* 47 Lh
Limbourg, *Belgium* 44 Dd
Limburg, *Germany* 48 Cc
Limburg, prov., *Belgium* 44 Dd
Limchow. See Hoppo
Limeira, *Brazil* 91 Hh
Limerick (Luimneach), *Eire* 31 Bh
Limes, *Belgium* 44 De
Limestone, *Maine* 82 Ec
Limmavady, *N. Ireland* 30 Ce
Limmen, *Netherlands* 44 Cb
Limmen Bight, *N. Territory, Australia* 95 Gb
Limni, *Greece* 57 De
Limnos, I., *Greece* 57 Ee
Limoges, *France* 52 Dd
Limon, *Costa Rica* 89 Cd
Limousin, prov., *France* 52 Dd
Limoux, *France* 53 Ee
Limpopo R., *Moçamb., etc.* 75 Ed
Linares, *Chile* 92 Be
Linares, *Mexico* 88 Ec
Linares, *Spain* 50 Dc
Lincheng, *China* 64 He
Linchwan, *China* 65 Hj
Lincoln, *Argentina* 92 Dd
Lincoln, *Maine* 82 Dd
Lincoln, *Michigan* 83 Ec
Lincoln, *Nebraska* 84 Gc
Lincoln, *New Zealand* 93 De
Lincoln & co., *England* 31 Gg
Lincoln Sea, *Arctic Ocean* 39 Qa
Lincoln Wolds, *England* 31 Gg
Lindau, *Germany* 48 Ce
Lindesay, Mt., *Queensland* 95 Ke
Lindesnes, *Norway* 47 Bh
Lindi, *Tanzania* 77 Hf
Lindley, *Orange Free State* 75 De
Lindos, *Greece* 57 Gf
Lindsay, *Ontario* 83 Gc
Lindsey, *Lincs., England* 31 Gg
Line Is., *Pacific Ocean* 99 Kg
Linfen, *China* 62 Fc
Lingchwan, *China* 65 Ek
Lingen, *Germany* 48 Bb
Lingga, I., *Riouw Arch., Indon.* 63 El
Lingling, *China* 62 Fe
Linguéré, *Senegal* 78 Be
Lingyun, *China* 65 Ck
Linhai, *China* 63 He
Linhares, *Brazil* 91 Jg
Linho, *China* 64 Cb
Linhsien, *China* 65 Fk
Lini, *China* 62 Gc
Linkiang, *China* 62 Jb
Linkiang, *China* 62 Ka
Linkiang. See Tsingkiang
Linköping, *Sweden* 47 Fg
Linkuva, *Lithuania* 47 Kh
Linnhe L., *Scotland* 30 Dd
Linosa, I., *Medit. Sea* 55 Dh
Linping, *China* 65 Gk
Lins, *Brazil* 92 Gb
Linsi, *China* 62 Gb
Lintan. See Kadiger
Linth, R., *Switzerland* 45 Eb
Linthal, *Switzerland* 45 Db
Linton, *Quebec* 83 Kb
Linyu, *China* 64 Jb
Linz, *Austria* 48 Fd
Lion, G. du, *France* 53 Fe
Lion Pt., *N.-W. Territories* 80 Gb
Lio Porgyul, *Tibet* 68 Eb
Liouesso, *French Congo* 76 Dd
Lipa, *Yugoslavia* 54 Fc
Lipari Is. (Eolie, Isole), *Italy* 55 Ef
Lipetsk, *Russia* 60 Le
Liping, *China* 65 Dj
Lipovets, *Ukraine* 60 Fg
Lippstadt, *Germany* 48 Cc
Lipsói, I., *Greece* 57 Ff
Lira, *Uganda* 77 Gd
Lircay, *Peru* 90 Cf
Liria, *Spain* 51 Ec
Lisala, *Congo* 76 Ed
Lisboa, *Portugal* 50 Ac
Lisbon. See Lisboa
Lisburn, *N. Ireland* 31 Cf
Lisburne C., *Alaska* 85 Wl
Liscannor B., *Eire* 31 Ah
Lisdoonvarna, *Eire* 31 Ag
Lishih, *China* 64 Ed
Lishui, *China* 65 Jh
Lisianski, I., *Hawaiian Is.* 98 He
Lisieux, *France* 52 Db
L'Isle, *Switzerland* 45 Bb
L'Islet, *Quebec* 83 Lb
Liski, *Russia* 61 De
Lismore, *Eire* 31 Bh
Lismore, *New South Wales* 95 Ke
Listowel, *Eire* 31 Ah
Listowel, *Ontario* 83 Fd
Lith, Al, *Arabia* 72 De
Lithgow, *New South Wales* 95 Kf
Lithinon, C., *Crete* 57 Eg
Lithuania (Litovskaya S.S.R.), *U.S.S.R.* 47 Kj
Litoměřice, *Czechoslovakia* 48 Fc
Litovskaya S.S.R. See Lithuania
Little America, *Antarctica* 100 Mb
Little Belt Mts., *Montana* 84 Db
Little Current, *Ontario* 83 Fc
Little Falls, *Minnesota* 85 Hb
Little Falls, *New York* 86 Ca
Little Horn Mts., *Arizona* 87 Gj
Little River, *New Zealand* 93 De
Little Rock, *Arkansas* 85 He
Little Smoky R., *Alberta* 80 Hf
Little Valley, *New York* 86 Aa
Littleton, *New Hampshire* 83 Lc
Liuan, *China* 62 Gd
Liuchow, *China* 62 Ef
Liupan Shan, *China* 64 Be
Liusvaara, *Russia* 46 Pe
Liverpool, *New South Wales* 95 Kf
Liverpool, *Nova Scotia* 82 Fd
Liverpool & B., *England* 31 Eg
Liverpool Coast, *Greenland* 39 Nb
Liverpool Ra., *New S. Wales* 95 Jf
Livingston, *Guatemala* 89 Bc
Livingston, *Montana* 84 Db
Livingston, I., *S. Shetlands* 100 Sc
Livingstone, *Zambia* 75 Dc
Livingstonia, *Malawi* 75 Eb
Livno, *Yugoslavia* 54 Fd
Livny, *Russia* 60 Ke
Livo Joki, *Finland* 46 Md
Livorno, *Italy* 54 Cd
Livramento, *Brazil* 92 Ed
Liwa, *Muscat & Oman* 73 Ge
Liwale, *Tanzania* 77 Hf
Liyepaya, *Latvia* 47 Jh
Lizard Pt., *England* 31 Dl
Ljubljana, *Yugoslavia* 54 Eb
Ljubuški, *Yugoslavia* 54 Fd
Ljungdalen, *Sweden* 46 Ee
Ljusdal, *Sweden* 47 Gf
Llandovery, *Wales* 31 Ej
Llandrindod Wells, *Wales* 31 Eh
Llandudno, *Wales* 31 Eg
Llanelli, *Wales* 36 Fe
Llanes, *Spain* 50 Ca
Llangollen, *Wales* 31 Eh
Llanguihue, L., *Chile* 92 Bf
Llano Estacado, *New Mexico-Texas* 84 Fe
Llano Grande, *Mexico* 88 Cc
Llerena, *Spain* 50 Bc
Llico, *Chile* 92 Bd
Lloydminster, *Saskatchewan* 80 Jf
Lluchmayor, *Balearic Is.* 51 Gc
Loango, *Fr. Congo* 76 Ce
Lobbes, *Belgium* 44 Cd
Loberia, *Argentina* 92 Ee
Lobito, *Angola* 76 Cg
Lobos, *Argentina* 92 Ee
Lobstick L., *Labrador* 81 Tf
Locarno, *Switzerland* 45 Db
Lochalsh, *Ontario* 83 Da
Lochalsh, Kyle of, *Scotland* 30 Dc
Lochem, *Netherlands* 44 Eb
Lochinver, *Scotland* 30 Db
Lochnagar, *Scotland* 30 Ed
Lochy L., *Scotland* 30 Dd
Lock Haven, *Pennsylvania* 86 Bb
Lockerbie, *Scotland* 30 Ee
Lockport, *New York* 86 Aa
Locle, le, *Switzerland* 45 Ba
Loc Ninh, *S. Vietnam* 63 Eh
Lodeynoye Pole, *Russia* 60 Ha
Lodhran, *W. Pakistan* 70 Bf
Lodi, *Wisconsin* 83 Bd
Lödingen, *Norway* 46 Fb
Lodwar, *Kenya* 77 Hd
Łódz, *Poland* 49 Hc
Loenen, *Netherlands* 44 Eb
Loewoek. See Luwuk
Lofer, *Austria* 48 Ee
Lofoten, Is., *Norway* 46 Ec
Logan, *Utah* 84 Dc
Logan, Mt., *Quebec* 82 Eb
Logan, Mt., *Yukon* 80 Cd
Logansport, *Indiana* 83 Ce
Logone R., *Cameroon/Chad* 76 Cb
Logrono, *Spain* 51 Da
Lohardaga, *India* 71 Ed
Loharu, *India* 70 Df
Loikaw, *Burma* 69 Je
Loir, R., *France* 52 Cc
Loire, dep., *France* 52 Ed
Loire R., *France* 52 Dc
Loire-Atlantique, dep., *Fr.* 52 Cc
Loiret, dep., *France* 52 Ec
Loir-et-Cher, dep., *France* 52 Dc
Loja, *Ecuador* 90 Bd
Loja, *Spain* 50 Cd
Loka, *Sudan* 79 Mh
Lokeren, *Belgium* 44 Cc
Lokka, *Finland* 46 Mc
Lökken, *Denmark* 47 Ch
Lökken, *Norway* 46 Ce
Loko, *Nigeria* 78 Gg
Loks I., *N.-W. Territories* 81 Ud
Lola, *Angola* 76 Cg
Lolland, *Denmark* 47 Dj
Lom, *Bulgaria* 56 Dc
Lomas, *Argentina* 92 Ed
Lomas, *Peru* 90 Cg
Lombardia, reg, *Italy* 54 Bc
Lomblem, I., *Indonesia* 63 Hm
Lombok, I. & Str., *Indonesia* 63 Gm
Lomé, *Togo* 78 Fg
Lomela, *Congo* 76 Ee
Lomié, *Cameroun* 79 Hh
Lommel, *Belgium* 44 Dc
Lomond L., *Scotland* 30 Dd
Łomża, *Poland* 49 Kb
Loncoche, *Chile* 92 Be
Loncopue, *Argentina* 92 Be
Londiani, *Kenya* 77 He
London, *England* 31 Gj
London, *Ontario* 83 Fd
Londonderry & co., *N. Ire.* 30 Cf
Londonderry, C., *W. Aust.* 94 Eb
Londonderry, I., *Chile* 92 Bj
Long B., *S. Carolina* 85 Le
Long I., *Bahama Is.* 89 Db
Long I., *New York* 86 Db
Long I., *Nova Scotia* 82 Ed
Long L., *Maine* 82 Dc
Long L., *Ontario* 81 Pg
Long, L., *Scotland* 30 Dd
Long Ra., *Newfoundland* 82 Kb
Longa, *Brazil* 91 Je
Long Beach, *California* 87 Dj
Long Beach, *New Jersey* 86 Cc
Long Branch, *New Jersey* 86 Cb
Longchamps, *Belgium* 44 Dd
Longford & co., *Eire* 31 Bg
Long Island City, *New York* 86 Db
Long Island Sd., *N.Y., etc.* 86 Db
Long Point, *Ontario* 83 Fd
Longreach, *Queensland* 95 Hd
Longs Pk., *Colorado* 84 Ec
Longtown, *England* 30 Fe
Longué, *France* 52 Cc
Longueuil, *Quebec* 83 Kc
Longuyon, *France* 52 Fb
Longview, *Washington* 87 Bb
Longwy, *France* 52 Fb
Long-Xuyen, *S. Vietnam* 67 Dd
Lonneker, *Netherlands* 44 Eb
Lons-le-Saunier, *France* 52 Fc
Looc, *Philippines* 63 Hh
Loochristi, *Belgium* 44 Bc
Looe, *England* 31 Ek
Lookout, C., *N. Carolina* 85 Le
Loolmalasin, Mt., *Tanzania* 77 He
Loop Hd., *Eire* 31 Ah
Lopez C., *Gabon* 76 Be
Lopik, *Netherlands* 44 Cc
Lop Nor, *China* 62 Bb
Lopphavet, *Norway* 46 Ja
Lora Hamun, *W. Pakistan* 68 Bc
Lorain, *Ohio* 83 Ee
Loralai, *West Pakistan* 68 Cb
Lorca, *Spain* 51 Ed
Lord Howe I., *Pacific Ocean* 98 El
Lordsburg, *New Mexico* 84 Ee
Lorena, *Brazil* 91 Jh
Loreto, *Brazil* 91 He
Loreto, *Mexico* 88 Bb
Lorica, *Colombia* 90 Bb
Lorient, *France* 52 Bc
Lorn, Firth of, *Scotland* 30 Dd
Lorrach, *Germany* 48 Be
Lorraine, prov., *France* 52 Fb
Los Andes, *Chile* 92 Bd
Los Angeles, *California* 87 Dh
Los Angeles, *Chile* 92 Be
Los Blancos, *Argentina* 92 Db
Loshan, *China* 65 Ah
Lošinj, I., *Yugoslavia* 54 Ec
Los Lamentos. See Felix U Gomez
Los Menucos, *Argentina* 92 Cf
Los Pozos, *Chile* 92 Bc
Los Santos, *Panama* 89 Ce
Los Santos de Maimona, *Sp.* 50 Bc
Lossiemouth, *Scotland* 30 Ec
Los Teques, *Venezuela* 90 Da
Los Tigres, *Argentina* 92 Dc
Los Vilos, *Chile* 92 Bd
Lot, dep., *France* 53 Dd
Lot, R., *France* 53 Dd
Lota, *Chile* 92 Be
Lotbinière, *Quebec* 83 Lb
Lot-et-Garonne, dep., *Fr.* 53 Dd
Lottigna, *Switzerland* 45 Db
Loubet Coast, *Antarctica* 100 Sc
Loudéac, *France* 52 Bb
Loudima, *Fr. Congo* 76 Ce
Loudon, *Malawi* 77 Gg
Loudun, *France* 52 Dc
Louga, *Senegal* 78 Be
Loughborough, *England* 31 Gh
Loughborough's I., *Burma* 69 Jf
Loughrea, *Eire* 31 Bg
Louhans, *France* 52 Fc
Louiseville, *Quebec* 83 Kb
Louisiade Arch., *Papua* 95 Kb
Louisiana, state, *U.S.A.* 85 He
Louis Philippe Ld., *Antarc.* 100 Tc
Louis Trichardt, *Transvaal* 75 Dd
Louisville, *Kentucky* 85 Jd
Loulé, *Portugal* 50 Ad
Lourdes, *France* 53 Ce
Lourenço Marques, *Moçamb.* 75 Ee
Louriçal, *Portugal* 50 Ab
Lourinhã, *Portugal* 50 Ac
Louth, *England* 31 Hg
Louth, *New South Wales* 95 Jf
Louth, co., *Eire* 31 Cg
Louvain, *Belgium* 44 Cd
Louveigne, *Belgium* 44 Dd
Louviers, *France* 52 Db
Lövånger, *Sweden* 46 Jd
Loviisa, *Finland* 47 Mf
Lövlid, *Sweden* 46 Gd
Low, C., *N.-W. Territories* 81 Pd
Lowa, *Congo* 76 Fe
Lowell, *Massachusetts* 83 Ld
Lowell, *Michigan* 83 Dd
Lowestoft, *England* 31 Jh
Łowicz, *Poland* 49 Hb
Lowville, *New York* 83 Jd
Loyalty Is., *Pacific Ocean* 98 Fk
Loyang, *China* 64 Fe
Loyung, *China* 65 Dk
Lozère, dep., *France* 53 Ed
Loznica, *Yugoslavia* 56 Bb
Luan. See Changchih
Luang Prabang, *Laos* 67 Cc
Luarca, *Spain* 50 Ba
Luashi, *Congo* 76 Eg
Lubaczów, *Poland* 49 Kc
Lubana, *Latvia* 47 Mh
Lubartów, *Poland* 49 Kc
Lübben, *Germany* 48 Ec
Lubbock, *Texas* 84 Fe
Lübeck, *Germany* 48 Db
Lübecker B., *Germany* 48 Da
Lubefu, *Congo* 76 Fe
Lubin, *Poland* 49 Gc
Lublin, *Poland* 49 Kc
Lubliniec, *Poland* 49 Hc
Lubuklinggau, *Sumatra* 63 Dl
Lubumbashi, *Congo* 75 Db
Luc, le, *France* 53 Ge
Lucala, *Angola* 76 Df
Lucania. See Basilicata
Lucca, *Italy* 54 Cd
Lucea, *Jamaica* 89 Dc
Lucena, *Spain* 50 Cd
Lučenec, *Czechoslovakia* 49 Hd
Lucera, *Italy* 55 Ee
Lucerne, *Switzerland* 45 Da
Luch, *Russia* 61 Fb
Luchenya, *Malawi* 77 Hh
Luchow, *China* 65 Bh
Luchow (Hofei), *China* 64 Hg
Lucinda, *Pennsylvania* 86 Ab
Luckau, *Germany* 48 Ec
Luckenwalde, *Germany* 48 Eb
Lucknow, *India* 71 Cb
Lucknow, *Ontario* 83 Fd
Luçon, *France* 52 Cc
Luderitz, *S.-W. Africa* 75 Ae
Ludhiana, *India* 70 De
Ludington, *Michigan* 83 Cc
Ludlow, *England* 31 Fh
Ludvika, *Sweden* 47 Ff
Ludwigshafen, *Germany* 48 Cd
Ludwigslust, *Germany* 48 Db
Ludza, *Latvia* 47 Mh
Luebo, *Congo* 76 Ef
Luga, *Russia* 60 Fb
Lugano & Lago di, *Switz.* 45 Db
Lugansk, *Ukraine* 60 Lg
Lugh Ganane, *Somalia* 77 Jd
Lugo, *Spain* 50 Ba
Lugoj, *Rumania* 56 Cb
Lugovay, *Kazakhstan* 58 Gd
Luhit R., *India* 69 Jc
Luhsien. See Luchow
Luhwang Shan, I., *China* 65 Lh
Luichow. See Hoihong
Luichow Pen., *China* 62 Ef
Luime, *Angola* 76 Dg
Luitpold Cst., *Antarctica* 100 Ab
Luján, *Argentina* 92 Ed
Luján, *Argentina* 92 Cd
Lukachek, *Russia* 59 Nc
Lukala, *Congo* 76 Cf
Lukovit, *Bulgaria* 56 Ec
Lukoyanov, *Russia* 61 Gc
Lukula, *Congo* 76 Cf
Lule Älv, *Sweden* 46 Jc
Luleå, *Sweden* 46 Kd
Luluabourg, *Congo* 76 Ef
Lulung, *China* 64 Jc
Lumbres, *France* 52 Ea
Lummen, *Belgium* 44 Dd
Lumsden, *New Zealand* 93 Bf
Lund, *Sweden* 47 Ej
Lundy I., *England* 31 Dj
Lüneburg, *Germany* 48 Db
Lunel, *France* 53 Fe
Lunéville, *France* 52 Gb
Lungan. See Pingwu
Lungki, *China* 65 Hk
Lungnan, *China* 65 Gk
Lungsi, *China* 64 Be
Lungyen, *China* 65 Hk
Luni, *India* 68 Dc
Lunino, *Russia* 61 Gd
Lunz, *Austria* 48 Fe
Lupeh, *China* 62 Hb
Lupiro, *Tanzania* 77 Hf
Lupkow, *Poland* 49 Kd
Luputa, *Congo* 76 Ef
Luque, *Paraguay* 92 Ec
Luray, *Virginia* 83 Gf
Lurgan, *N. Ireland* 31 Cf
Luribay, *Bolivia* 90 Dg
Luröy, *Norway* 46 Ec
Lusaka, *Zambia* 75 Dc
Lusambo, *Congo* 76 Ee
Lusambo, *Congo* 76 Ef
Lushai Hills. See Mizo Hills
Lushnjë, *Albania* 57 Bd
Lushun, *China* 64 Kc
Lussanvira, *Brazil* 91 Gh
Luta, *China* 64 Kc
Lut Desert, *Iran* 73 Gc
Lutembo, *Angola* 76 Eg
Luther, *Michigan* 83 Dc
Luton, *England* 31 Gj
Lutsen, *Minnesota* 83 Ab
Lutsk, *Ukraine* 60 Df
Luttre, *Belgium* 44 Cd
Luvia, *Finland* 47 Jf
Luwuk, *Celebes* 63 Hl
Luxembourg, and Grand-duchy, *North-West Europe* 52 Gb
Luxembourg, prov., *Belg.* 52 Fb
Luxeuil, *France* 52 Gc
Luxor, *Egypt* 79 Mc
Luzern & canton, *Switz.* 45 Da
Luziânia, *Brazil* 91 Hg
Luzilândia, *Brazil* 91 Jd
Luzon, I., *Philippines* 63 Hg
Luzon Str., *Philippines* 62 Hf
Luzy, *France* 52 Ec
Lvov, *Ukraine* 60 Dg
Lwanhsien, *China* 64 Jc
Lwan-ping, *China* 64 Hb
Lyallpur, *West Pakistan* 70 Ce
Lybster, *Scotland* 30 Eb
Lycksele, *Sweden* 46 Hd
Lydavénai, *Lithuania* 47 Kj
Lydda, *Israel* 74 Cf
Lydenburg, *Transvaal* 75 Ee
Lyell, Mt., *Brit. Columbia* 80 Hf
Lyell, Mt., *California* 87 Dg
Lyell Ra., *New Zealand* 93 Dd
Lykens, *Pennsylvania* 86 Bb
Lyme B., *England* 31 Fk
Lyme Regis, *England* 31 Fk
Lynchburg, *Virginia* 85 Ld
Lynn, *Massachusetts* 86 Ea
Lynn Lake, *Manitoba* 80 Le
Lynton, *England* 31 Ej
Lyon, *France* 52 Fd
Lyonnais, prov., *France* 52 Ed
Lyons, *New York* 86 Ba
Lyons, R., *W. Australia* 94 Cd
Lys, R., *Belgium, etc.* 44 Bd
Lyse, *Poland* 49 Jb
Lysekil, *Sweden* 47 Dg

Lyss, *Switzerland* 45 Ca
Lyster, *Quebec* 83 Lb
Lysva, *Russia* 61 Na
Lyttelton, *New Zealand* 93 De
Lytton, *British Columbia* 80 Gf
Ma'an, *Jordan* 74 Dg
Maarheeze, *Netherlands* 44 Dc
Maarianhamina. See Mariehamn
Ma'arret en Numan, *Syria* 74 Eb
Maas, R., *Netherlands* 44 Dc
Maasbree, *Netherlands* 44 Ec
Maaseik, *Belgium* 44 Dc
Ma'asir. See Haẓawẓa
Maassluis, *Netherlands* 44 Cc
Maastricht, *Netherlands* 44 Dd
Mabote, *Moçambique* 75 Ed
Mabrouk, *Mali* 78 Ee
Mabuki, *Tanzania* 77 Ge
McAdam, *New Brunswick* 82 Ed
Macaé, *Brazil* 91 Jh
Macaíba, *Brazil* 91 Ke
McAlester, *Oklahoma* 84 Ge
Macao (Port.), *China* 65 Fl
Macapá, *Brazil* 91 Gc
Macás, *Ecuador* 90 Bd
Macau, *Brazil* 91 Ke
Macauba, *Brazil* 91 Gf
Macclesfield, *England* 31 Fg
McClintock Channel, *N.-W. Territories* 80 Lb
McCluer G., *New Guinea* 63 Kl
McClure, C., *N.-W. Terr.* 80 Hb
McClure Str., *N.-W. Terr.* 80 Hb
McComb, *Mississippi* 85 He
McConnellsburg, *Pa.* 86 Ac
Macdonald, L., *W. Australia* 94 Ed
Macdonnell Ras., *N.T., Aust.* 94 Fd
McDouall Ra., *N. Terr., Aust.* 95 Fc
Maceió, *Brazil* 91 Ke
Macerata, *Italy* 54 Dd
McGill, *Nevada* 87 Ff
Macgillycuddy's Reeks, *Eire* 31 Aj
McGregor Ra., *Queensland* 95 He
Mach, *West Pakistan* 68 Cc
Machala, *Ecuador* 90 Bd
Macharetí, *Bolivia* 90 Eh
Machias, *Maine* 82 Ed
Machias B., *Maine* 82 Ed
Machiasport, *Maine* 82 Ed
Machicha, *Moçambique* 75 Fd
Machiques, *Venezuela* 90 Ca
Machiwara, *India* 70 Ee
Măcin, *Rumania* 56 Gb
Mackay, *Alberta* 80 Je
Mackay, *Queensland* 95 Jd
Mackay L., *N.-W. Terr.* 80 Jd
Mackay, L., *W. Australia* 94 Ed
McKeesport, *Pennsylvania* 86 Ab
Mackenna, *Argentina* 92 Dd
Mackenzie, *Guyana* 90 Fb
Mackenzie Dist., *N.-W. Terr.* 80 Gd
Mackenzie B., *N.-W. Terr.* 80 Dc
Mackenzie Mts., *N.-W. Terr.* 80 Ed
Mackenzie R., *N.-W. Terr.* 80 Fc
Mackenzie Sea, *Antarctica* 100 Fc
Mackenzie King I., *N.-W. T.* 80 Ja
Mackinac I. & Str. of, *Mich.* 83 Dc
Mackinaw, *Michigan* 83 Dc
McKinley, Mt., *Alaska* 85 Xl
Macleod, *Alberta* 80 Jg
McLeod B., *N.-W. Terr.* 80 Jd
Macloutsie, *Botswana* 75 Dd
Mac-Mahon, Fort, *Algeria* 78 Fc
McMillan, L., *New Mexico* 84 Fe
Macmillan Ra., *Yukon* 80 Dd
Macmillan R., *Yukon* 80 Ed
McMurdo Sd., *Antarctica* 100 Lb
Macomer, *Sardinia* 55 Be
Macon, *Belgium* 44 Cd
Mâcon, *France* 52 Fc
Macon, *Georgia* 85 Ke
Macouria, *Fr. Guiana* 91 Gc
McPherson, *Kansas* 84 Gd
McPherson, *N.-W. Terr.* 80 Dc
Macpherson Ra., *Queensland* 95 Ke
Macquarie Harb., *Tasmania* 95 Jh
Macquarie I., *Pacific Ocean* 98 En
Macquarie, R., *N.S. Wales* 95 Jf
Mac-Robertson Ld., *Antarc.* 100 Fb
Macroom, *Eire* 31 Bj
Macuje, *Colombia* 90 Cc
Macusani, *Peru* 90 Cf
McVicar Arm, *N.-W. Terr.* 80 Hc
Madaba, *Jordan* 74 Df
Madadi, *Chad* 79 Ke
Madagascar I., *Indian Oc.* 77 Nl
Madain Salih, *Arabia* 72 Cd
Madan, *Iran* 73 Gb
Madaripur, *E. Pakistan* 69 Hd
Madawaska, *Ontario* 83 Gc
Madeira, Is., *Atlantic Ocean* 78 Bb
Madeira, R., *Brazil* 90 Ee
Madeleine, C. de la, *Quebec* 82 Fb
Madhepur, *India* 71 Fb
Madhipura, *India* 71 Fc
Madhopur, *Punjab, India* 68 Ec
Madhopur, *India* 70 Dd
Madhubani, *India* 71 Fb
Madhupur, *India* 71 Fc
Madhya Pradesh, *India* 68 Ed
Madison, *New Jersey* 86 Cb
Madison, *S. Dakota* 84 Gc
Madison, *Wisconsin* 83 Bd
Madisonville, *Kentucky* 85 Jd
Madoc, *Ontario* 83 Hc
Madona, *Latvia* 47 Mh
Madras, *India* 68 Ff
Madre, Sierra, *Mexico* 88 Cb
Madre Austral, Lag. de la, *Mexico* 88 Ec
Madre de Dios, I., *Chile* 92 Ah
Madre de Dios, R., *Peru-Bolivia* 90 Df
Madre del Sur, Sa., *Mexico* 88 Dd
Madrid, *Spain* 50 Db
Madridejos, *Spain* 50 Dc
Madura, I., *Indonesia* 63 Fm
Madurai, *India* 68 Eg
Maebashi, *Japan* 66 Ff
Maestra, Sierra, *Cuba* 89 Db
Maevatanana, *Madagascar* 77 Nk
Mafeking, *Cape Province* 75 De
Mafia I., *Tanzania* 77 Hf
Mafra, *Portugal* 50 Ac
Mafraq, *Jordan* 74 Ee
Magad Plat. See Jol Plat.
Magadan, *Russia* 59 Qc
Magadi & L., *Kenya* 77 He
Magadino, *Switzerland* 45 Db
Magallanes, & Estrecho de, *Chile* 92 Bh
Magangué, *Colombia* 90 Cb
Magas. See Panāh
Magaz, *Spain* 50 Cb
Magburaka, *Sierra Leone* 78 Cg
Magdagachi, *Russia* 59 Mc
Magdala, *Ethiopia* 77 Hb
Magdalen Is., *Quebec* 82 Hc
Magdalena, *Bolivia* 90 Ef
Magdalena, *Mexico* 88 Ba
Magdalena, B., *Mexico* 88 Bc
Magdalena, I., *Chile* 92 Bf
Magdalena, R., *Colombia* 90 Cb
Magdeburg, *Germany* 48 Db
Magellan, Str. of, *Chile* 92 Ch
Mageröya, *Norway* 46 Ma
Maggia, *Switzerland* 45 Db
Maggiore, L., *Italy* 54 Bb
Maghang Tsangpo, R., *Tibet* 69 Gc
Maghara, Geb., *Egypt* 74 Bg
Magherafelt, *N. Ireland* 31 Cf
Maglaj, *Yugoslavia* 56 Bb
Maglie, *Italy* 55 Ge
Magnetic I., *Queensland* 95 Jc
Magnetic Pole, N., *N.-W.T.* 81 Lb
Magnitogorsk, *Russia* 61 Pd
Magog, *Quebec* 83 Kc
Magpie, *Quebec* 82 Fa
Magpie L., & R., *Quebec* 82 Fa
Magwe, *Burma* 69 Jd
Mahabad, *Iran* 72 Eb
Mahabaleshwar, *India* 68 De
Mahaban, *India* 70 Eg
Mahabharat Ra., *Nepal* 71 Eb
Mahaddei Uen, *Somalia* 77 Kd
Mahadeo Hills, *India* 71 Ad
Mahail, *Arabia* 72 Df
Mahajamba, B. de, *Madag.* 77 Nk
Mahajan, *India* 70 Cf
Mahalapye, *Botswana* 75 Dd
Mahallat, *Iran* 73 Fc
Maham, *India* 70 Ef
Mahanadi R., *India* 69 Fd
Mahanoro, *Madagascar* 77 Nk
Mahanoy City, *Pennsylvania* 86 Bb
Mahbubnagar, *India* 68 Ee
Mahdia, *Tunisia* 79 Ha
Mahé, *India* 68 Ef
Mahendragiri, Mt., *India* 69 Fe
Mahia Pen., *New Zealand* 93 Fc
Mahmed-Hussein-magala. See Shahsavar
Mahmudabad, *India* 71 Cb
Mahmudabad, *Iran* 73 Fb
Mahua, *Moçambique* 77 Hg
Mahuva, *India* 68 Dd
Maida, *Yemen* 72 Df
Maidan, *Afghanistan* 73 Jc
Maidstone, *England* 31 Hj
Maiduguri, *Nigeria* 79 Hf
Maienfeld, *Switzerland* 45 Ea
Maihar, *India* 71 Cc
Maikal Ra., *India* 71 Cd
Maikop, *Russia* 58 Dd
Maimana, *Afghanistan* 73 Hb
Main R., *Germany* 48 Cd
Main Barrier Ra., *N.S.W.* 95 Hf
Maine, prov., *France* 52 Cb
Maine, state, *U.S.A.* 85 Nb
Maine, G. of, *Maine, etc.* 82 De
Maine-et-Loire, dep., *France* 52 Cc
Maing Kaing, *Burma* 69 Jd
Maingkwan, *Burma* 69 Jc
Mainpuri, *India* 68 Ec
Mainstream, *Maine* 82 Dd
Mainz, *Germany* 48 Cd
Maipo, Mt., *Argentina* 92 Cd
Maipu, *Argentina* 92 Ee
Maissin, *Belgium* 44 De
Mait & I., *Somalia* 77 Kb
Maitland, *New South Wales* 95 Kf
Maitland, L., *W. Australia* 94 De
Maíz, *Mexico* 88 Ec
Maizuru, *Japan* 66 Dg
Maja, I., *Indonesia* 63 El
Majagual, *Colombia* 90 Cb
Majdanpek, *Yugoslavia* 56 Cb
Majitha, *India* 70 De
Majmaa, *Arabia* 72 Ed
Majorca, *Balearic Is.* 51 Gc
Majunga, *Madagascar* 77 Nk
Majuro, Is., *Marshall Is.* 98 Gg
Makale, *Ethiopia* 77 Hb
Makania, *Tanzania* 77 He
Makariev, *Russia* 61 Fb
Makarvey, *Russia* 61 Gb
Makassar, *Celebes* 63 Gm
Makassar Str., *Indonesia* 63 Gl
Makatea, I., *Tuamotu Arch.* 99 Lj
Makedhonia, *Greece* 57 Cd
Makemo, I., *Tuamotu Arch.* 99 Lj
Makeyevka, *Ukraine* 60 Kg
Makhach Kala, *Russia* 58 Dd
Makhai, *China* 62 Bc
Makikihi. *New Zealand* 93 Cf
Makindu, *Kenya* 77 He
Makkinga, *Netherlands* 44 Eb
Makla, Jebel el, *Arabia* 72 Cd
Makó, *Hungary* 56 Ca
Makongolosi, *Tanzania* 77 Gf
Makorako, Mt., *N. Zealand* 93 Fc
Makram, *Arabia* 72 Ce
Makri, *India* 68 Fe
Makri. See Fethiye
Maksmo. See Maksamaa
Maksamaa, *Finland* 46 Ke
Maku, *Iran* 72 Db
Makum, *India* 69 Jc
Makurdi, *Nigeria* 78 Gg
Makwiro, *Rhodesia* 75 Ec
Mal B., *Quebec* 82 Fb
Malá, *Peru* 90 Bf
Malabang, *Philippines* 63 Hj
Malabar Coast, *India* 68 Df
Malabu, *Nigeria* 79 Hg
Malacca, *West Malaysia* 63 Dk
Malacca, Str. of, *Sumatra-West Malaysia* 63 Dk
Malad City, *Idaho* 84 Dc
Maladeta, Mt., *Spain* 51 Fa
Málaga, *Spain* 50 Cd
Malagasy Rep., *Indian Oc.* 77 Nl
Malaita, *Solomon Is.* 98 Fh
Malakal, *Sudan* 79 Mg
Malakand & Pass, *W. Pakistan* 70 Bc
Malån, *Sweden* 46 Hd
Malang, *Java* 63 Fm
Malanje, *Angola* 76 Df
Mälaren, L., *Sweden* 47 Gg
Malargue, *Argentina* 92 Ce
Malathia, *Kenya* 77 He
Malatya, *Turkey* 72 Cb
Malaut, *India* 70 De
Malawi *Central Africa* 77 Gg
Malaya, See West Malaysia
Malayer, *Iran* 72 Ec
Malaysia, *S.-E. Asia* 67 De
Malazgirt, *Turkey* 72 Db
Malbork, *Poland* 49 Ha
Malchow, *Germany* 48 Eb
Malda, *India* 71 Gc
Maldegem, *Belgium* 44 Bc
Malden, *Massachusetts* 86 Ea
Malden, I., *Pacific Ocean* 99 Kh
Maldive Is., *Indian Ocean* 40 Gh
Maldon, *England* 31 Hj
Maldonado, *Uruguay* 92 Fd
Maléa, C., *Greece* 57 Df
Malé Karpaty, *Czech.* 49 Gd
Malekula, I., *New Hebrides* 98 Fj
Máleme, *Crete* 57 Dg
Maler Kotla, *India* 70 De
Malesherbes, *France* 52 Eb
Malgache, Rep., *Indian Oc.* 77 Pl
Malheur L., *Oregon* 87 Dd
Mali, *West Africa* 78 Ee
Malihabad, *India* 71 Cb
Malin Hd., *Eire* 30 Ce
Malinau, *Borneo* 63 Gk
Malindi, *Kenya* 77 Je
Malines, *Belgium* 44 Cc
Malkangiri, *India* 69 Fe
Malko Tŭrnovo, *Bulgaria* 56 Fd
Mallaig, *Scotland* 30 Dc
Mállia G., *Crete* 57 Eg
Mallorca I., *Balearic Is.* 51 Gc
Mallow, *Eire* 31 Bh
Malmberget, *Sweden* 46 Jc
Malmédy, *Belgium* 44 Ed
Malmesbury, *England* 31 Fj
Malmö, *Sweden* 47 Ej
Malmyzh, *Russia* 61 Kb
Maloggia, *Switzerland* 45 Eb
Malombe L., *Malawi* 77 Hg
Malone, *New York* 83 Jc
Malonga, *Congo* 76 Eg
Malpeque B., *Prince Edward Island* 82 Gc
Malta, *Montana* 84 Eb
Malta Chan., *Medit. Sea* 55 Eg
Malta I., *Mediterranean Sea* 55 Eh
Malters, *Switzerland* 45 Da
Malton, *England* 31 Gf
Malung, *Sweden* 47 Ef
Malvaglia, *Switzerland* 45 Db
Malvan, *India* 68 De
Malvern Hills, *England* 31 Fh
Malvina, *Quebec* 83 Lc
Malvinas, Isles. See Falkland Is.
Mama, *Russia* 59 Lc
Mamantel, *Mexico* 88 Fd
Mambasa, *Congo* 77 Fd
Mamonal, *Colombia* 90 Ba
Mamou, *Guinea* 78 Cf
Mampoko, *Congo* 76 Dd
Mamu, *Afghanistan* 73 Hd
Mamudju, *Celebes* 63 Gl
Man, *Ivory Coast* 78 Dg
Man, I. of, *Irish Sea* 31 Ef
Manacapuru, *Brazil* 90 Ed
Manacor, *Balearic Is.* 51 Gc
Manado, *Celebes* 63 Hk
Managua, *Nicaragua* 89 Bd
Managua L., *Nicaragua* 89 Bd
Manakha, *Yemen* 72 Df
Manamah, *Bahrein I.* 73 Fd
Mananjary, *Madagascar* 77 Nl
Manantenina, *Madagascar* 77 Nl
Manapouri L., *New Zealand* 93 Af
Manasarowar L., *Tibet* 68 Fb
Manasquan, *New Jersey* 83 Je
Manassas, *Virginia* 83 Hf
Manaus, *Brazil* 90 Ed
Mancelona, *Michigan* 83 Dc
Manche, dep., *France* 52 Cb
Manchester, *England* 31 Fg
Manchester, *New Hampshire* 83 Ld
Manchouli, *China* 62 Ga
Manchuria, *China* 62 Ha
Mancora, *Peru* 90 Ad
Manda, *Tanzania* 77 Gg
Mandal, *Norway* 47 Bg
Mandalay, *Burma* 69 Jd
Mandal Gobi, *Mongolia* 62 Ea
Mandan, *N. Dakota* 84 Fb
Mandarin B., *China* 65 Em
Mander, *Netherlands* 44 Eb
Mandera, *Kenya* 77 Jd
Mandi, *India* 70 Ee
Mandih, *Philippines* 63 Hj
Mandla, *India* 71 Cd
Mandritsara, *Madagascar* 77 Nk
Mandvi, *India* 68 Cd
Manfredonia, G. di, *Italy* 55 Fe
Manfuha, *Arabia* 72 Ee
Mangaia, I., *Cook Is.* 99 Kk
Mangaldai, *India* 69 Hc
Mangalme, *Chad* 79 Jf
Mangalore, *India* 68 Df
Mangareva, I., *Tuamotu Arch.* 99 Mk
Mangaweka, *New Zealand* 93 Ec
Mangfall Geb., *Germany* 48 De
Manglaralto, *Ecuador* 90 Ad
Mangonui, *New Zealand* 93 Da
Mangrol, *India* 68 Dd
Mangualde, *Portugal* 50 Bb
Mangueira, L. da, *Brazil* 92 Fd
Manhattan, *Kansas* 84 Gd
Manhay, *Belgium* 44 Dd
Manhuaça, *Brazil* 91 Jh
Manicoré, *Brazil* 90 Ee
Manicouagan R., *Quebec* 81 Tf
Manifold, C., *Queensland* 95 Kd
Manihi, *India* 71 Ec
Manihiki, I., *Pacific Ocean* 98 Jj
Manikarchar, *India* 71 Gc
Manikganj. See Dasara
Manikpur, *East Pakistan* 69 Hd
Manila, *Philippines* 63 Hh
Manipur, *India* 69 Hc
Manisa, *Turkey* 72 Ab
Manistee, *Michigan* 83 Cc
Manistee R., *Michigan* 83 Dc
Manistique, *Michigan* 83 Cb
Manitoba, prov., *Canada* 80 Mf
Manitoba, L., *Manitoba* 80 Mf
Manitou Gorge, *Quebec* 81 Te
Manitou Is., *Michigan* 83 Cc
Manitoulin I., *Ontario* 83 Ec
Manitowaning, *Ontario* 83 Fc
Manitowoc, *Wisconsin* 83 Cc
Maniwaki, *Quebec* 83 Hb
Maniyah, *Iraq* 72 Dc
Manizales, *Colombia* 90 Bb
Manja, *Madagascar* 77 Ml
Manjimup, *W. Australia* 94 Cf
Manka, *Taiwan* 65 Kk
Mankato, *Minnesota* 85 Hc
Mankheri, *India* 71 Ed
Manlleu, *Spain* 51 Ga
Manmad, *India* 68 Dd
Mannar, *Ceylon* 68 Eg
Mannar, G. of, *India* 68 Eg
Mannargudi, *India* 68 Ef
Mannheim, *Germany* 48 Cd
Manoa, *Bolivia* 90 De
Manokwari, *West Irian* 63 Kl
Manono, *Congo* 76 Ff
Manosque, *France* 53 Fe
Manresa, *Spain* 51 Fb
Mansa, *Zambia* 75 Db
Mansehra, *West Pakistan* 70 Cc
Mansel I., *North-West Territories* 81 Qd
Mansfield, *England* 31 Gg
Mansfield, *Massachusetts* 83 Ld
Mansfield, *Ohio* 83 Ee
Mansfield, *Pennsylvania* 86 Bb
Mansfield, Mt., *Vermont* 83 Kc
Mansi, *Burma* 69 Jd
Mansilla de Las Mulas, *Spain* 50 Ca
Manta, *Ecuador* 90 Ad
Mantova, *Italy* 54 Cc
Mantua. See Mantova
Manú, *Peru* 90 Cf
Manua, I., *Samoa Is.* 98 Jj
Manuel Rodriguez, I., *Chile* 92 Bh
Manujan, *Iran* 73 Gd
Manus I., *Admiralty Is.* 98 Dh
Manyoni, *Tanzania* 77 Gf
Manzala L., *Egypt* 79 Mb
Manzanares, *Spain* 50 Dc
Manzanillo, *Cuba* 89 Db
Manzanillo, *Mexico* 88 Dd
Manzanillo, Pta., *Panama* 89 De
Mao, *Chad* 79 Jf
Mapia Is., *Pacific Ocean* 98 Cg
Mapimí, *Mexico* 88 Db
Mapire, *Venezuela* 90 Eb
Maple Creek, *Saskatchewan* 80 Kg
Maqainama, *Arabia* 72 Ee
Maqatin, *S. Yemen* 72 Eg
Maqna, *Arabia* 72 Bd
Maquela do Zombo, *Angola* 76 Df
Maquinchao, *Argentina* 92 Cf
Mara, *Transvaal* 75 Dd
Maraã, *Brazil* 90 Dd
Marabá, *Brazil* 91 He
Maracá, I. de, *Brazil* 91 Gc
Maracaibo, *Venezuela* 90 Ca
Maracaibo, L. de, *Venezuela* 90 Cb
Maracanã, *Brazil* 91 Hd
Maracaçume, *Brazil* 91 Hd
Maracay, *Venezuela* 90 Da
Marada, *Libya* 79 Jc
Maradi, *Niger* 78 Gf
Maragheh. *Iran* 72 Eb
Maragogi, *Brazil* 91 Ke
Marakei, I., *Gilbert Is.* 98 Gg
Marakwet, *Kenya* 77 Hd
Maralinga, *S. Australia* 94 Ff
Maramures, *Rumania* 49 Ke
Marand, *Iran* 72 Eb
Maranguape, *Brazil* 91 Kd
Marañón, R., *Peru* 90 Cd
Maraş, *Turkey* 72 Cb
Maraú, *Brazil* 91 Kf
Maravilha, *Brazil* 90 De
Marbella, *Spain* 50 Cd
Marble Bar, *W. Australia* 94 Cd
Marblehead, *Massachusetts* 86 Ea
Marcelino, *Brazil* 90 Dc
Marche, *Belgium* 44 Dd
Marche, reg., *Italy* 54 Dd
Marchena, *Spain* 50 Cd
Marchin, *Belgium* 44 Dd
Mar Chiquita, *Argentina* 92 Dd
Marcus I., *Pacific Ocean* 98 Ee
Marcy, Mt., *New York* 83 Kc
Mardan, *W. Pakistan* 70 Cc
Mar del Plata, *Argentina* 92 Ee
Mardin, *Turkey* 72 Db
Mare, I., *Loyalty Is.* 98 Fk
Marechal Deodoro. See Alagoas
Maree, L., *Scotland* 30 Dc
Mareeba, *Queensland* 95 Jc
Marengo, *Wisconsin* 83 Ab
Margarita, I., *Venezuela* 90 Ea
Margarites, *Crete* 57 Eg
Margate, *England* 31 Hj
Marianao, *Cuba* 89 Cb
Marianas, Is., *Pacific Ocean* 98 Df
Marianna, *Arkansas* 85 He
Mariánské Láznĕ, *Czech.* 48 Ed
Marias R., *Montana* 84 Db
Marib, *Yemen* 72 Df
Maribor, *Yugoslavia* 54 Eb
Maridi, *Sudan* 79 Lh
Marie Byrd Ld., *Antarctica* 100 Pb
Mariefred, *Sweden* 47 Gg
Marie Galante, I., *Leeward Is.* 89 Gc
Mariehamn, *Finland* 47 Hf
Marienbad. See Mariánské L.
Marienberg, *Netherlands* 44 Eb
Marienbourg, *Belgium* 44 Cd
Marienburg. See Malbork
Mariental, *S.-W. Africa* 75 Bd
Marienthal, *Russia* 61 Kc
Marienville, *Pennsylvania* 86 Ab
Mariestad, *Sweden* 47 Eg
Marietta, *Ohio* 83 Ff
Mari Indus, *West Pakistan* 70 Bd
Marina Fall, *Guyana* 90 Fb
Marine City, *Michigan* 83 Ed
Marinette, *Wisconsin* 83 Cc
Marinha Grande, *Portugal* 50 Ac
Marion, *Indiana* 83 De
Marion, *Ohio* 83 Ee
Maritsa R., *Bulgaria, etc.* 56 Ed
Mariyampole. See Kapsukas
Mariyskaya A.S.S.R., *Russia* 58 Dc
Marj, el, *Libya* 79 Kb
Märjamaa, *Estonia* 47 Lg
Markala, *Mali* 78 Df
Markapur, *India* 68 Ee
Markelo, *Netherlands* 44 Eb
Marken, I., *Netherlands* 44 Db
Market Drayton, *England* 31 Fh
Market Harborough, *Eng.* 31 Gh
Markham, L., *Tibet* 69 Fa
Markham, Mt., *Antarctica* 100 Ka
Markovo, *Russia* 59 Sb
Marks, *Russia* 61 He
Markstay, *Ontario* 83 Fb
Marlboro, *Massachusetts* 86 Ea
Marlborough, *Guyana* 90 Fb
Marlette, *Michigan* 83 Ed
Marmagão, *Goa* 68 De
Marmande, *France* 53 Dd
Marmara, Sea of, *Turkey* 72 Aa
Marmaris, *Turkey* 72 Ab
Marne, dep., *France* 52 Fb
Maroua, *Cameroon* 79 Hf
Marouini, R., *Fr. Guiana* 91 Gc
Marquesas, Is., *Pac. Oc.* 99 Mh
Marquette, *Michigan* 83 Cb
Marquina, *Spain* 51 Da
Marrakech (Marrakesh), *Morocco* 78 Db
Marree, *S. Australia* 95 Ge
Marsabit, *Kenya* 77 Hd
Marsa Hali, *Arabia* 72 Df
Marsala, *Sicily* 55 Dg
Marseille, *France* 53 Fe
Marshall, *Illinois* 83 Cf
Marshall, *Michigan* 83 Dd
Marshall, *Texas* 85 He
Marshall Is., *Pacific Ocean* 98 Fg
Marshall Pass. See Monarch Pass
Marshalltown, *Iowa* 85 Hc
Marshfield. See Coos Bay
Marshfield, *Wisconsin* 83 Ac
Mars Hill, *Maine* 82 Ec
Marstrand, *Sweden* 47 Dh
Marsum, *Netherlands* 44 Da
Martaban, *Burma* 69 Je
Martaban, G. of, *Burma* 69 Je
Martelange, *Belgium* 44 De
Martha's Vineyard, I., *Mass.* 86 Eb
Martigny-Ville, *Switzerland* 45 Cb
Martina, *Switzerland* 45 Fb
Martinborough, *N. Zealand* 93 Ed
Martinho, *Brazil* 91 Fe
Martinique, I., *Windward Is.* 89 Gd
Martinsburg, *W. Virginia* 86 Bc
Marton, *New Zealand* 93 Ed
Martos, *Spain* 50 Dd
Martre, Lac la, *N.-W.Terr.* 80 Hd
Maruf, *Afghanistan* 73 Jc
Marugame, *Japan* 66 Cg
Marum, *Netherlands* 44 Ea
Marutea, I., *Tuamotu Arch.* 99 Lj
Marvejols, *France* 53 Ed
Mary, *Turkmenistan* 58 Fe
Maryborough, *Queensland* 95 Ke
Maryborough. See Portlaoise
Maryborough, *Victoria, Aust.* 95 Hg
Marydale, *Cape Province* 75 Ce
Mary Kathleen, *Queensland* 95 Hd
Maryland, state, *U.S.A.* 85 Ld
Maryport, *England* 31 Ef
Marysville, *California* 84 Bd
Marysville, *New Brunswick* 82 Ed
Más Afuera, I., *Pacific Ocean* 99 Sl
Masaka, *Uganda* 77 Ge
Masangena, *Moçambique* 75 Ed
Masara, *Moçambique* 75 Ec
Masasi, *Tanzania* 77 Hg
Masaya, *Nicaragua* 89 Bd
Masbate, I., *Philippines* 63 Hh
Mascara, *Algeria* 78 Fa
Maseru *Lesotho* 75 De
Mashaki, *Afghanistan* 73 Jc
Masharbrum, Mt., *Kashmir* 70 Ec
Mashhad, *Iran* 73 Gb
Mashkol, Hamun-i-, *West Pakistan* 68 Bc
Masi-Manimba, *Congo* 76 De
Masindi, *Uganda* 77 Gd
Masira Chan, *Arabia* 73 Ge
Masira, G. of, *Arabia* 73 Gf
Masira I., *Muscat & Oman* 73 Ge
Masjed Soleyman, *Iran* 72 Ec
Masoala C., *Madagascar* 77 Pk
Mason, *Michigan* 83 Dd
Mason City, *Iowa* 85 Hc
Masöy, *Norway* 46 La
Massa, *Italy* 54 Cc
Massachusetts B., *Mass.* 86 Ea
Massachusetts, state, *U.S.A.* 85 Mc
Massafra, *Italy* 55 Fe
Massakori, *Chad* 79 Jf
Massapê, *Brazil* 91 Jd
Massawa, *Eritrea* 77 Ha
Massena, *New York* 83 Jc
Massénya, *Chad* 79 Jf
Masseube, *France* 53 De
Massey, *Ontario* 83 Eb
Massillon, *Ohio* 83 Fe
Massinga, *Moçambique* 75 Fd
Masterton, *New Zealand* 93 Ed
Mastuj, *West Pakistan* 70 Cb
Mastung, *West Pakistan* 68 Cc
Mastura, *Arabia* 72 Ce
Masulipatnam, *India* 68 Fe
Masyaf, *Syria* 74 Eb
Mat, *India* 70 Eg
Mata Amarilla, *Argentina* 92 Bg
Matagalpa, *Nicaragua* 89 Bd
Matagorda B. & I., *Texas* 84 Gf
Matakana I., *New Zealand* 93 Fb
Matale, *Ceylon* 68 Fg
Matam, *Senegal* 78 Ce
Matamata, *N. Zealand* 93 Eb
Matamoros, *Mexico* 88 Db
Matamoros, *Mexico* 88 Eb
Matane, *Quebec* 82 Eb
Matanzas, *Cuba* 89 Cb
Matapedia, *Quebec* 82 Ec
Matapedia, L., *Quebec* 82 Eb
Matapozuelos, *Spain* 50 Cb
Matara, *Ceylon* 68 Fg
Mataram. *Lombok I., Indon.* 63 Gm
Matarranka, *N. Terr., Aust.* 94 Fb
Mataró, *Spain* 51 Gb
Matatiele, *Cape Province* 75 Df
Matauale, *Brazil* 91 Gc
Mataura, *New Zealand* 93 Bg
Matehuala, *Mexico* 88 Dc
Matera, *Italy* 55 Fe
Mátészalka, *Hungary* 49 Ke
Mateur, *Tunisia* 79 Ga
Matfors, *Sweden* 46 Ge
Mathura, *India* 68 Ec
Matiara, *India* 69 Gc
Matlock, *England* 31 Fg
Matna, *Sudan* 79 Nf
Mato Grosso, *Brazil* 90 Ff
Matrah, *Muscat & Oman* 73 Ge
Matruh, *Egypt* 79 Lb
Matsue, *Japan* 66 Cg
Matsumoto, *Japan* 66 Ff
Matsushima, *Japan* 66 Ge
Matsuyama, *Japan* 66 Ch
Mattawa, *Ontario* 83 Gb
Matterhorn, Mt., *Switz.-It.* 45 Cc
Matthew Town, *Bahama Is.* 89 Eb
Mattoon, *Illinois* 83 Bf
Matucana, *Peru* 90 Bf
Matun, *Afghanistan* 73 Jc
Matura, *Brazil* 90 Dd
Maturin, *Venezuela* 90 Eb
Matveieva, *Russia* 61 Nb
Mau, *India* 68 Ec
Mau Aimma, *India* 71 Cc
Maubeuge, *France* 52 Ea
Maubin, *Burma* 69 Je
Maubourguet, *France* 53 De
Maudaha, *India* 71 Cc
Mauele, *Moçambique* 75 Ed
Maués, *Brazil* 91 Fd
Mauganj, *India* 71 Cc
Maugerville, *New Brunswick* 82 Ed
Maui, I., *Hawaiian Is.* 99 Ke
Mauleon Licharre, *France* 53 Ce
Maurawan, *India* 71 Cb
Maurice, L., *S. Australia* 94 Fe
Mauriceville, *N. Zealand* 93 Ed
Mauritania, *W. Africa* 78 Cd
Mauritius, I., *Indian Ocean* 96 Df
Maurs, *France* 53 Ed
Mauston, *Wisconsin* 83 Ad
Mawk Mai, *Burma* 69 Jd
Mawlaik, *Burma* 69 Hd
Mawson, *Antarctica* 100 Fc
Maxcanu, *Mexico* 88 Gc
May, C., *New Jersey* 86 Cc
May, I. of, *Scotland* 30 Fd
Mayaguana I., *Bahamas Is.* 89 Eb
Mayaguez, *Puerto Rico* 89 Fc
Mayari, *Cuba* 89 Db
Mayen, *Germany* 48 Bc
Mayenne, dep., *France* 52 Cb
Mayfield, *Kentucky* 85 Jd
Maymyo, *Burma* 69 Jd
Maynooth, *Ontario* 83 Hc
Mayno Pyl'gino, *Russia* 59 Sb
Mayo, co., *Eire* 31 Ag
Mayoumba, *Gabon* 76 Ce
Mayran, L., *Mexico* 88 Db
Mays Landing, *New Jersey* 86 Cc
Mayuram, *India* 68 Ef
Mayville, *New York* 86 Aa
Maza, *Argentina* 92 De
Mazabuka, *Zambia* 75 Dc
Mazagan, *Morocco* 78 Db
Mazagão, *Brazil* 91 Gd
Mazamet, *France* 53 Ee
Mazan, *Argentina* 92 Cc
Mazan, *Peru* 90 Cd
Mazapil, *Mexico* 88 Dc
Mazara del Vallo, *Sicily* 55 Dg
Mazaredo, *Argentina* 92 Cg
Mazar-i-Sharif, *Afghanistan* 73 Jb
Mazarron, *Spain* 51 Ed
Mazatenango, *Guatemala* 88 Fe
Mazatlán, *Mexico* 88 Cc
Mažeikiai, *Lithuania* 47 Kh
Mbabane, *Swaziland* 75 Ee
Mbale, *Uganda* 77 Gd
Mbamba Bay, *Kenya* 75 Fb
Mbarangandu, *Tanzania* 77 Hg
Mbarara, *Uganda* 77 Ge
Mbeya, *Tanzania* 77 Gf
Mead L., *Nevada, etc.* 87 Fg
Meadow L., *Saskatchewan* 80 Kf
Meadville, *Pennsylvania* 83 Fe
Meaford, *Ontario* 83 Fc
Meath, co., *Eire* 32 Kf
Mecatina I., Gt., *Quebec* 82 Ja
Mecatina, I., Lit., *Quebec* 82 Ja
Mecca, *Arabia* 72 Ce
Mechanicville, *New York* 86 Da
Mechelen, *Belgium* 44 Dd
Mechelen. See Malines
Mécheria, *Algeria* 78 Eb
Medak, *India* 68 Ee
Medak, *Yugoslavia* 54 Ec
Medan, *Sumatra* 63 Ck
Médanos, *Argentina* 92 De
Medellín, *Colombia* 90 Bb
Medemblik, *Netherlands* 44 Db
Médenine, *Tunisia* 79 Hb
Meder, *Eritrea* 77 Jb
Medford, *Oregon* 87 Bd
Medford, *Wisconsin* 83 Ac
Medgidia, *Rumania* 56 Gb
Media, *Pennsylvania* 86 Cc
Medias, *Rumania* 56 Ea
Medicine Bow Pk., *Wyoming* 84 Ec
Medicine Hat, *Alberta* 80 Jg
Medina, *Arabia* 72 Ce
Medina, *New York* 86 Aa
Medina, *Ohio* 83 Fe
Medinaceli, *Spain* 51 Db
Medina del Campo, *Spain* 50 Cb
Medina de Rioseco, *Spain* 50 Cb
Medina Sidonia, *Spain* 50 Cd
Médine, *Mali* 78 Cf
Mediterranean Sea, *S. Europe, etc.* 43 Jj
Medvezhegorsk, *Russia* 58 Cb
Medvezhi Osa., *Russia* 59 Ra
Medvezhiy Yar., *Russia* 59 Ja
Meekatharra, *W. Australia* 94 Ce
Meenin. See Menin
Meerle, *Belgium* 44 Cc
Meerlo, *Netherlands* 44 Ec
Meersburg, *Germany* 48 Ce
Meersen, *Netherlands* 44 Dd
Meerut, *India* 70 Ef
Meeuwen, *Belgium* 44 Dc
Mega, *Ethiopia* 77 Hd
Megalópolis, *Greece* 57 Df
Mégantic, & L., *Quebec* 83 Lc
Mégara, *Greece* 57 De
Megiskan, *Quebec* 83 Ha
Mehar, *West Pakistan* 68 Cc
Meherpur, *East Pakistan* 71 Gd
Mehin, *Syria* 74 Fc
Mehndawal, *India* 71 Db
Meihsien, *China* 65 Hk
Meiktila, *Burma* 69 Jd
Meiningen, *Germany* 48 Dc
Meiringen, *Switzerland* 45 Db
Meissen, *Germany* 48 Ec
Meitene, *Latvia* 47 Kh
Mejillones, *Chile* 92 Bb
Mekatina, *Ontario* 83 Db
Meknès, *Morocco* 78 Db
Mekong, R., *Cambodia, etc.* 67 Dd
Melan

Mellier, *Belgium* 44 De
Mellingen, *Switzerland* 45 Da
Melo, *Uruguay* 92 Fd
Melona, *Israel* 74 De
Melreux, *Belgium* 44 Dd
Melton Mowbray, *England* 31 Gh
Melun, *France* 52 Eb
Melut, *Sudan* 79 Mf
Melville, *Saskatchewan* 80 Lf
Melville B., *Greenland* 39 Qb
Melville, C., *Queensland* 95 Hb
Melville I., *N. Terr., Aust.* 94 Fb
Melville I., *N.-W. Terr.* 80 Ja
Melville L., *Labrador* 81 Yf
Melville Pen., *N.-W. Terr.* 81 Qc
Melvin L., *Ireland* 31 Bf
Memba & B., *Moçambique* 77 Jg
Membij, *Syria* 74 Fa
Memel. See Klaipeda
Memphis, *Tennessee* 85 Jd
Memphremagog, L., *Quebec* 83 Kc
Memramcook, *N.Brunswick* 82 Fd
Menai Str., *Wales* 31 Eg
Menairi, *Chad* 79 Ke
Ménaka, *Mali* 78 Fe
Menasha, *Wisconsin* 83 Bc
Mendak, *Arabia* 72 De
Mendawai, R., *Borneo* 63 Fl
Mende, *France* 53 Ed
Mendebo Mts., *Ethiopia* 77 Hc
Menderes, R., *Turkey* 72 Ab
Mendip Hills, *England* 31 Fj
Mendocino, C., *California* 87 Ae
Mendota, *Illinois* 83 Be
Mendota, L., *Wisconsin* 83 Bd
Mendoza, *Argentina* 92 Cd
Mendrisio, *Switzerland* 45 Dc
Menfi, *Sicily* 55 Dg
Meng Chai Nat, *Thailand* 67 Cc
Meng Chumporn. See Chumporn
Meng Fang, *Thailand* 67 Bc
Meng Khemmarat, *Thailand* 67 Dc
Meng Krabin. See Aranya
Meng Kuwi. See Kui Nua
Meng Phrae, *Thailand* 67 Bc
Meng Thoen, *Thailand* 67 Bc
Mengtsz, *China* 62 Df
Meng Uthen. See Ban tha U
Menin, *Belgium* 44 Bd
Menindee, *New S. Wales* 95 Hf
Menjapa, Mt., *Borneo* 63 Gk
Menominee & R., *Michigan* 83 Cc
Menomonie, *Wisconsin* 85 Hc
Menorca I., *Balearic Is.* 51 Hb
Mentawai Is., *Indonesia* 41 Jj
Menton, *France* 53 Ge
Menzelinsk, *Russia* 61 Lc
Menzies, W. *Australia* 94 De
Me'ona, *Israel* 74 De
Meoqui, *Mexico* 88 Cb
Me-ping, R., *Thailand* 67 Bc
Meppel, *Netherlands* 44 Eb
Merabello G., *Crete* 57 Eg
Merano, *Italy* 54 Cb
Merasheen I., *Newfoundland* 82 Lc
Meratus Peg., *Borneo* 63 Gl
Merauke, W. *Irian* 63 Mm
Merca, *Somalia* 77 Jd
Mercara, *India* 68 Ef
Merced, *California* 87 Cg
Mercedaria, Mt., *Argentina* 92 Bd
Mercedes, *Argentina* 92 Ed
Mercedes, *Argentina* 92 Ec
Mercedes, *Bolivia* 90 Df
Mercedes, *Uruguay* 92 Ed
Mercer, *New Zealand* 93 Eb
Mercer, *Pennsylvania* 83 Fe
Merchtem, *Belgium* 44 Cd
Mercy, C., *N.-W. Terr.* 81 Uc
Meredith, *Michigan* 83 Dc
Meredith, C., *Falkland Is.* 92 Dh
Meregh, *Somalia* 77 Kd
Mergentheim, *Germany* 48 Cd
Mergui, *Burma* 69 Jf
Mergui Arch., *Burma* 69 Jf
Merida, *Mexico* 88 Gc
Merida, *Spain* 50 Bc
Merida & Cord. de, *Venez.* 90 Cb
Meriden, *Connecticut* 86 Db
Meridian, *Mississippi* 85 Je
Merioneth, co., *Wales* 31 Eh
Merj Uyun, *Lebanon* 74 Dd
Merowe, *Sudan* 79 Me
Merredin, W. *Australia* 94 Cf
Merrill, *Wisconsin* 83 Bc
Merrimack R., *New Hamp.-Mass.* 86 Ea
Mersey R., *England* 31 Fg
Mersin, *Turkey* 72 Bb
Mersing, W. *Malaysia* 63 Dk
Mersis, *Somalia* 77 Kd
Mersrags, *Latvia* 47 Kh
Merta, *India* 68 Dc
Merthyr Tydfil, *Wales* 31 Ej
Mertola, *Portugal* 50 Bd
Meru, *Kenya* 77 Hd
Merxplas, *Belgium* 44 Cc
Merzig, W. *Germany* 48 Bd
Mesa, *Arizona* 84 De
Mesagne, *Italy* 55 Fe
Mesará B., *Crete* 57 Eg
Mesa Verde Nat. Park, *Colo.* 84 Ed
Meshchovsk, *Russia* 60 Jd
Meshghara, *Lebanon* 74 Dd
Meskene, *Syria* 74 Fa
Mesmiye, *Syria* 74 Ed
Mesocco, *Switzerland* 45 Eb
Mesolóngion, *Greece* 57 Ce
Messancy, *Belgium* 44 De
Messina, *Sicily* 55 Ef
Messina, Str. di, *Italy* 55 Ef
Messines, *Belgium* 44 Ad
Messinia, *Greece* 57 Cf
Messinia, G. of, *Greece* 57 Df
Mesudiye, *Turkey* 72 Ca
Metan, *Argentina* 92 Dc
Metangula, *Moçambique* 77 Gg
Méthana Pen., *Greece* 57 Df
Methil, *Scotland* 30 Ed
Methven, *New Zealand* 93 Ce
Metis Ls., *Quebec* 82 Eb
Metis Beach, *Quebec* 82 Db
Metkovic, *Yugoslavia* 56 Ac
Metlakatla, *Alaska* 85 Zm
Metlika, *Yugoslavia* 54 Ec
Metorica, *Moçambique* 77 Hg
Metropolitan, *Michigan* 83 Cb
Métsovon, *Greece* 57 Ce
Mettet, *Belgium* 44 Cd
Mettlen, *Switzerland* 45 Cb
Mettur Dam, *India* 68 Ef
Metulla, *Israel* 74 Dd
Metz, *France* 52 Gb
Meulebeke, *Belgium* 44 Bd
Meurthe-et-Moselle, dep., *Fr.* 52 Gb
Meuse, dep. & R., *France* 52 Fb
Meuse R., *Belgium* 44 Dd
Mexcala & R., *Mexico* 88 Ed
Mexiana, I., *Brazil* 91 Hd
Mexicali, *Mexico* 88 Aa
Mexico, *Mexico* 88 Ed
Mexico, *New York* 86 Ba
Mexico B., *New York* 86 Ba
Mexico, G. of, *Mexico, etc.* 88 Fb
Mexico, rep., *Cent. America* 88 Dc
Meyadin, *Syria* 72 Db
Meybod, *Iran* 73 Fc
Meyersdale, *Pennsylvania* 86 Ac
Meymac, *France* 52 Ed
Mèze, *France* 53 Ee
Mezen', *Russia* 58 Db
Mézières, *France* 52 Fb
Mezöbereny Békés, *Hungary* 49 Je
Mezökövesd, *Hungary* 49 Je
Mezötúr, *Hungary* 49 Je
Mezquitic, *Mexico* 88 Dc
Mgori, *Tanzania* 77 Ge
Mhow, *India* 68 Ed
Miahuatlan, *Mexico* 88 Ed
Miajadas, *Spain* 50 Cc
Miami, *Arizona* 84 De
Miami, *Florida* 85 Kf
Miandowab, *Iraq* 72 Eb
Miandrivazo, *Madagascar* 77 Nk
Mianeh, *Iran* 72 Eb
Miani, *India* 70 De
Miani, *West Pakistan* 70 Cd
Mian Kalai, *West Pakistan* 70 Bc
Mianwali, *W. Pakistan* 70 Bd
Miao-tao I., *China* 64 Kc
Miass, *Russia* 61 Qc
Miastko, *Poland* 49 Ga
Micay, *Colombia* 90 Bc
Michailovsk, *Russia* 61 Qd
Michailovsk, *Russia* 61 Ld
Micheh, *China* 64 Ed
Michigan, state, *U.S.A.* 85 Jb
Michigan, L., *U.S.A.-Canada* 85 Jc
Michigan City, *Indiana* 83 Ce
Michikamau, L., *Labrador* 81 Uf
Michipicoten, *Ontario* 81 Qg
Michipicoten I. & B., *Ont.* 83 Db
Michoacan, state, *Mexico* 88 Dd
Michurinsk, *Russia* 61 Ed
Mickelson, *Michigan* 83 Dc
Micronesia, *Pacific Ocean* 98 Df
Middelburg, *Netherlands* 44 Bc
Middelburg, *Transvaal* 75 De
Middelharnis, *Netherlands* 44 Cc
Middelkerke, *Belgium* 44 Ac
Middleboro, *Massachusetts* 86 Eb
Middleburg, *New York* 83 Jd
Middleburg, *Pennsylvania* 86 Bb
Middlebury, *Vermont* 83 Kd
Middlemarch, *New Zealand* 93 Bf
Middleport, *New York* 86 Aa
Middlesboro, *Kentucky* 85 Kd
Middlesbrough, *England* 31 Gf
Middleton, *Nova Scotia* 82 Fd
Middleton, *England* 31 Ff
Middletown, *Connecticut* 86 Db
Middletown, *Delaware* 83 Jf
Middletown, *New York* 86 Cb
Middletown, *Ohio* 83 Df
Middletown, *Pennsylvania* 86 Bb
Midland, *Michigan* 83 Dd
Midland, *Ontario* 83 Gc
Midlothian, co., *Scotland* 30 Ee
Midnapore, *India* 71 Fc
Midway Is., *Hawaiian Is.* 98 He
Midye, *Turkey* 72 Aa
Miécourt, *Switzerland* 45 Ca
Miedzyrzec, *Poland* 49 Kc
Mienning, *China* 62 Df
Mienyang, *China* 65 Fg
Mienyang, *China* 64 Bg
Mier, *Mexico* 88 Eb
Mieres, *Spain* 50 Ca
Mifflintown, *Pennsylvania* 86 Bb
Migdal Gad. See Ashqelon
Mikhaylovgrad, *Bulgaria* 56 Dc
Mikhaylovka, *Russia* 61 Fe
Mikkeli, *Finland* 47 Mf
Mikonos I., *Greece* 57 Ef
Milan, *New Hampshire* 83 Lc
Milan. See Milano
Milano, *Italy* 54 Bc
Milas, *Turkey* 72 Ab
Milazzo, *Sicily* 55 Ef
Mildura, *Victoria, Australia* 95 Hf
Miléai, *Greece* 57 De
Miles, *Queensland* 95 Ke
Miles City, *Montana* 84 Eb
Milesburg, *Pennsylvania* 86 Bb
Milford, *Delaware* 86 Cc
Milford, *Massachusetts* 86 Ea
Milford. See Shubenacadie
Milford, *Pennsylvania* 86 Cb
Milford, *Utah* 87 Gf
Milford Haven, *Wales* 31 Dj
Milford Sound, *N.Zealand* 93 Af
Milgun, W. *Australia* 94 Ce
Mili, Is., *Marshall Islands* 98 Gg
Miliana, *Algeria* 78 Fa
Milk R., *Montana* 84 Eb
Milkovo, *Russia* 59 Qc
Mill, *Netherlands* 44 Dc
Mill I., *Antarctica* 100 Hc
Mill Is., *N.-W. Territories* 81 Rd
Millau, *France* 53 Ed
Millbridge, *Ontario* 83 Hc
Millerovo, *Russia* 61 Ef
Millersburg, *Ohio* 83 Fe
Miller's Flat, *New Zealand* 93 Bf
Mille Vaches, *Quebec* 82 Db
Millicent, S. *Australia* 95 Hg
Millinocket, *Maine* 82 Dd
Millridge, *Maine* 82 Ed
Millville, *New Jersey* 86 Cc
Milne B., *Papua* 95 Kb
Milo, *Maine* 82 Dd
Milos, I., *Greece* 57 Ef
Milparinka, *New S. Wales* 95 He
Milton, *New Zealand* 93 Bg
Milton, *Ontario* 83 Gd
Milton, *Pennsylvania* 86 Bb
Miltown Malbay, *Eire* 31 Ah
Milwaukee, *Wisconsin* 83 Cd
Mimika, W. *Irian* 63 Ll
Mina al Ahmadi, *Kuwait* 72 Ed
Minab, *Iran* 73 Gd
Mina Hassan Tani, *Morocco* 78 Db
Minaki, *Ontario* 80 Nf
Minas, *Uruguay* 92 Ed
Minas de Riotinto, *Spain* 50 Bd
Minas Novas, *Brazil* 91 Jg
Minatitlan, *Mexico* 88 Fd
Minbu, *Burma* 69 Hd
Minch, Little, *Scotland* 30 Cc
Minch, North, *Scotland* 30 Cb
Mindanao, I., *Philippines* 63 Jj
Minden, *Germany* 48 Cb
Mindoro, I. & Str., *Phil.* 63 Hh
Mineciu, *Rumania* 56 Fb
Mine Hd., *Eire* 31 Bj
Minehead, *England* 31 Ej
Mineola, *New York* 86 Db
Mineral Ra., *Michigan* 83 Bb
Mineral Point, *Wisconsin* 83 Ad
Mineral Wells, *Texas* 84 Ge
Minga, *Zambia* 77 Gg
Mingan, Is. & Pass, *Quebec* 82 Ga
Mingenew, W. *Australia* 94 Ce
Mingin, *Burma* 69 Hd
Minglanilla, *Spain* 51 Ec
Mingoyo, *Tanzania* 77 Hg
Mingshui, *China* 62 Cb
Minhla, *Burma* 69 Je
Minhow, *China* 65 Jj
Minicoy, I., *India* 68 Dg
Minilya, W. *Australia* 94 Bd
Minna, *Nigeria* 78 Gg
Minneapolis, *Minnesota* 85 Hb
Minnedosa, *Manitoba* 80 Mf
Minnesota, state, *U.S.A.* 84 Gb
Minnesota R., *Minn., etc.* 84 Gc
Minnik, *Syria* 74 Fa
Miño, *Spain* 50 Aa
Miño (Minho), R., *Spain-Portugal* 50 Aa
Minorca. See Menorca
Minot, *N. Dakota* 84 Fb
Min Shan, *China* 64 Ae
Minsk, *Belorussia* 60 Ee
Minsk Mazowiecki, *Poland* 49 Jb
Minto Inl., *N.-W. Terr.* 80 Hb
Minto L., *Quebec* 81 Re
Minusinsk, *Russia* 59 Jc
Minya Konka, *China* 62 De
Mio, *Michigan* 83 Dc
Miracema do Norte, *Brazil* 91 He
Mirador, *Brazil* 91 Je
Miraflores, *Colombia* 90 Cb
Miraj, *India* 68 De
Mirambeau, *France* 53 Cd
Miramichi B., *N.Brunswick* 82 Fc
Miramont, *France* 53 Dd
Miram Shah, W. *Pakistan* 70 Bd
Miranda, *Argentina* 92 Ee
Miranda, *Brazil* 91 Fh
Miranda. See Bonanza
Miranda de Ebro, *Spain* 50 Da
Miranda do Corvo, *Portugal* 50 Ab
Miranda do Douro, *Portugal* 50 Bb
Mirande, *France* 53 De
Mirandela, *Portugal* 50 Bb
Mirandilla, *Spain* 50 Bc
Mirbat, *Muscat & Oman* 73 Ff
Mirdum, *Netherlands* 44 Db
Mirebeau, *France* 52 Dc
Mirim, L., *Brazil* 92 Fd
Mirjaveh, *Iran* 73 Hd
Mirnoye, *Russia* 58 Hb
Mirosl, *Rumania* 56 Eb
Mirpur, *Kashmir* 70 Cd
Mirpur Khas, W. *Pakistan* 68 Cc
Mirtoan Sea, *Greece* 57 Df
Mirtos, *Crete* 57 Eg
Mirt Padam, *India* 69 Jc
Mirzapur, *India* 71 Dc
Miscou I., *New Brunswick* 82 Fc
Mishrif, *Arabia* 72 De
Misis, *Turkey* 72 Cb
Miska, *Arabia* 72 De
Miskolc, *Hungary* 49 Jd
Misoöl, I., W. *Irian* 63 Kl
Misquah Hills, *Minnesota* 83 Ab
Mississippi, state, *U.S.A.* 85 He
Mississippi R., *U.S.A.* 85 Hd
Missolónghin. See Mesolóngion
Missoula, *Montana* 87 Fb
Missouri, state, *U.S.A.* 85 Hd
Missouri R., *U.S.A.* 84 Gc
Mistassini L., *Quebec* 81 Sf
Mistretta, *Sicily* 55 Eg
Misurata, *Libya* 79 Jb
Mitala Maria, *Uganda* 77 Gd
Mitchell, *Ontario* 83 Fd
Mitchell, *Queensland* 95 Je
Mitchell, *South Dakota* 84 Gc
Mitchell, Mt., *N. Carolina* 85 Kd
Mitchell, R., *Queensland* 95 Hc
Mitchell River, *Qnsld.* 95 Hc
Mitchelstown, *Eire* 33 Gj
Mithankot, *West Pakistan* 70 Bf
Mithi, *West Pakistan* 68 Cd
Mithimna, *Greece* 57 Fe
Mitilíni, *Lesvos, I., Greece* 57 Fe
Mito, *Japan* 66 Gf
Mitsiz, *Gabon* 76 Cd
Mittelmark, *Germany* 48 Eb
Mitu, *Colombia* 90 Dc
Mitumba Mts., *Congo* 77 Fe
Miyako, *Japan* 66 He
Miyandowab, *Iran* 72 Eb
Miyazaki, *Japan* 66 Bj
Mizda, *Libya* 79 Hb
Mizen Hd., *Eire* 31 Aj
Mizil, *Rumania* 56 Fb
Mizo Hills, *India* 69 Hd
Mizque, *Bolivia* 90 Dg
Mjölby, *Sweden* 47 Fg
Mjosa, L., *Norway* 47 Df
Mladá Boleslav, *Czech.* 48 Fc
Mlanje, Mt., *Malawi* 77 Hh
Mława, *Poland* 49 Jb
Mljet, I., *Yugoslavia* 54 Fd
Mo, *Norway* 46 Fc
Mo Ångsåg, *Sweden* 46 He
Moapa, *Nevada* 87 Fg
Moberly, *Missouri* 85 Hd
Mobile, *Alabama* 85 Je
Mobridge, S. *Dakota* 84 Fb
Mocajuba, *Brazil* 91 Hd
Moçambique, *East Africa* 77 Jh
Moçâmedes, *Angola* 76 Ch
Mocha, *Yemen* 72 Dg
Mocimboa-da-Praia, *Moçambique* 77 Jg
Mocoa, *Colombia* 90 Bc
Mocorito, *Mexico* 88 Cb
Moctezuma, *Mexico* 88 Dc
Moctezuma, *Mexico* 88 Cb
Mocuba, *Moçambique* 75 Fc
Mocuburi, *Moçambique* 77 Hg
Modane, *France* 53 Gd
Modave, *Belgium* 44 Dd
Modena, *Italy* 54 Cc
Modesto, *California* 87 Cg
Modica, *Sicily* 55 Eg
Modjamboli, *Congo* 76 Ed
Mo-duc, S. *Vietnam* 67 Dd
Modung, *China* 62 Ce
Moengo, *Surinam* 91 Gb
Mofa, *Ethiopia* 77 Jb
Moffat, *Scotland* 30 Ee
Mogadiscio (Mogadishu), *Somalia* 77 Kd
Mogador, *Morocco* 78 Db
Mogadouro, *Portugal* 50 Bb
Mogar, *Ethiopia* 77 Hc
Mogaung, *Burma* 69 Jc
Mogilev, *Belorussia* 60 Ge
Mogilev Podol'skiy, *Ukraine* 60 Eg
Mogocha, *Russia* 59 Lc
Mogochin, *Russia* 58 Hc
Mogok, *Burma* 69 Jd
Mogu, *Ethiopia* 77 Jd
Moguer, *Spain* 50 Bd
Mohacs, *Hungary* 56 Bb
Mohaka, R., *New Zealand* 93 Fc
Mohammedia, *Algeria* 78 Fa
Mohawk & R., *New York* 86 Ca
Moheli I., *Comores Arch.* 77 Jg
Moho, *China* 59 Mc
Mohoro, *Tanzania* 77 Hf
Moine, L. du, *Quebec* 83 Hb
Moirang, *India* 69 Hd
Moisie, B., *Quebec* 82 Fa
Moissac, *France* 53 Dd
Mojave, *California* 87 Dh
Moji, *Brazil* 91 Hh
Moju & R., *Brazil* 91 Hd
Mokai, *New Zealand* 93 Ec
Mokameh, *India* 71 Ec
Mokolo, *Cameroon* 79 Hf
Mokpo, *Korea* 62 Jd
Mokshany, *Russia* 61 Gd
Moldava, *Czechoslovakia* 49 Jd
Moldavia, *Rumania* 56 Fa
Moldavia, rep., *U.S.S.R.* 60 Fh
Moldavskaya S.S.R. See Moldavia
Molde & Fd., *Norway* 46 Be
Moldova Nouă, *Rumania* 56 Cb
Molepolole, *Botswana* 75 Dd
Môle St Nicolas, *Haiti* 89 Ec
Molfetta, *Italy* 55 Fe
Molina, *Chile* 92 Be
Molina, *Spain* 51 Ec
Molina, *Spain* 51 Eb
Moline, *Illinois* 85 Hc
Moliro, *Congo* 77 Gf
Moll, *Belgium* 44 Dc
Mollendo, *Peru* 90 Cg
Mollis, *Switzerland* 45 Ea
Mollösund, *Sweden* 47 Dg
Molndal, *Sweden* 47 Eh
Molotov. See Perm
Molotovsk, *Russia* 58 Cb
Molotovsk, *Russia* 61 Jb
Molucca Pass. *Indonesia* 63 Jk
Moluccas, Is., *Indonesia* 63 Jl
Moma, *Moçambique* 77 Hh
Mombasa, *Kenya* 77 He
Mombetsu, *Japan* 66 Hb
Mombuey, *Spain* 50 Ba
Momchilgrad, *Bulgaria* 56 Ed
Momeik. See Mong-mit
Momignies, *Belgium* 44 Cd
Momotombo, *Nicaragua* 89 Bd
Mompós, *Colombia* 90 Cb
Mön, I., *Denmark* 47 Ej
Monå Fd., *Finland* 46 Ke
Mona, I., *Puerto Rico* 89 Fc
Mona Pass., *West Indies* 89 Fc
Monach I., *Scotland* 34 Ad
Monaco, princip., *Medit.* 53 Ge
Monarch Pass, *Colorado* 84 Ed
Monasterace Marina, *Italy* 55 Ff
Monastir, *Sardinia* 55 Bf
Monastir. See Bitola
Monastir, *Tunisia* 79 Ha
Moncão, *Portugal* 50 Aa
Monchique, *Portugal* 50 Ad
Monclova, *Mexico* 88 Db
Moncton, *New Brunswick* 82 Fc
Mondonedo, *Spain* 50 Ba
Mondul, *Tanzania* 77 He
Monemvasia, *Greece* 57 Df
Monessen, *Pennsylvania* 86 Ab
Monetny, *Russia* 61 Qb
Moneva, *Spain* 51 Eb
Monforte, *Portugal* 50 Bc
Monga, *Congo* 76 Ed
Mongalla, *Sudan* 79 Mg
Monger, L., W. *Australia* 94 Ce
Möng-Hsu, *Burma* 69 Jd
Monghyr, *India* 71 Fc
Möng Kiang. See Mong Yai
Mongkol-borey, *Cambodia* 67 Cd
Möng Kung, *Burma* 69 Jd
Mong-mit, *Burma* 69 Jd
Mongo, *Chad* 79 Jf
Mongolia, E. *Asia* 41 Jd
Mongolia, Inner, *China* 41 Kd
Mongonu, *Nigeria* 79 Hf
Mongoumba, *Cent. Afr. Rep.* 79 Jh
Möng-pai, *Burma* 69 Je
Möng Pan, *Burma* 69 Jd
Möng Pawn, *Burma* 69 Jd
Möng-Sit, *Burma* 69 Jd
Mongu, *Zambia* 75 Cc
Mong Yai, *Burma* 69 Jd
Moniquira, *Colombia* 90 Cb
Monkey Bay, *Malawi* 75 Eb
Monkira, *Queensland* 95 Hd
Monmouth & co., *Britain* 31 Fj
Monnikendam, *Netherlands* 44 Db
Mono L., *California* 87 Df
Monomay I. & Pt., *Mass.* 86 Eb
Monopoli, *Italy* 55 Fe
Monóvar, *Spain* 51 Ec
Monreal del Campo, *Spain* 51 Eb
Monroe, *Louisiana* 85 He
Monroe, *Michigan* 83 Ee
Monroe, *Wisconsin* 83 Bd
Monrovia, *Liberia* 78 Cg
Mons, *Belgium* 44 Bd
Monsanto, *Portugal* 50 Bb
Monserrato, *Sardinia* 55 Bf
Monson, *Massachusetts* 86 Da
Monster, *Netherlands* 44 Cb
Mönsterås, *Sweden* 47 Gh
Mont, *Belgium* 44 Dd
Montagne Tremblante Park, *Quebec* 83 Jb
Montague, *Michigan* 83 Cd
Montague I., *S. Sandwich Is.* 100 Ad
Montalbán, *Spain* 51 Eb
Montana, state, *U.S.A.* 84 Db
Montánchez, *Spain* 50 Bc
Montargis, *France* 52 Ec
Montauban, *France* 53 Dd
Montbard, *France* 52 Fc
Montblanch, *Spain* 51 Fb
Montbrison, *France* 52 Fd
Montclair, *New Jersey* 86 Cb
Montcornet, *France* 52 Fb
Mont de Marsan, *France* 52 Ee
Montdidier, *France* 52 Eb
Mont Dore, le, *France* 52 Ed
Monte Alegre, *Brazil* 91 Gd
Monte Alegre, *Brazil* 91 Hg
Montebello, *Quebec* 83 Jc
Monte Carlo, *Monaco* 53 Ge
Monte Carmelo, *Brazil* 91 Hg
Monte Caseros, *Argentina* 92 Ed
Monte Coman, *Argentina* 92 Cd
Monte Cristi, *Rep. Dom.* 89 Ec
Monte Cristi, Sa. de, *Rep. Dominicana* 89 Ec
Montecristo, I., *Italy* 54 Cd
Montefrio, *Spain* 50 Cd
Montego Bay, *Jamaica* 89 Dc
Montélimar, *France* 53 Fd
Montello, *Wisconsin* 83 Bd
Montemorelos, *Mexico* 88 Eb
Montenegro, *Yugoslavia* 56 Bc
Montereau, *France* 52 Eb
Monterey, *California* 87 Cg
Monterey, B. of, *California* 87 Cg
Monteria, *Colombia* 90 Bb
Montero, *Bolivia* 90 Eg
Monteros, *Argentina* 92 Cc
Monterrey, *Mexico* 88 Db
Monte Sant' Angelo, *Italy* 55 Ee
Montes Claros, *Brazil* 91 Jg
Montevideo, *Uruguay* 92 Ed
Montfort-sur-Meu, *France* 52 Bb
Montgomery, *Alabama* 85 Je
Montgomery, W. *Pakistan* 70 Ce
Montgomery & co., *Wales* 31 Eh
Monthey, *Switzerland* 45 Bb
Monticello, *Maine* 82 Ec
Monticello, *New York* 83 Je
Montijo, B. de, *Panama* 89 Ce
Montilla, *Spain* 50 Cd
Mont Joli, *Quebec* 82 Db
Mont Laurier, *Quebec* 83 Jb
Montluçon, *France* 52 Ec
Montmagny, *Quebec* 82 Cc
Montmédy, *France* 52 Fb
Montmirail, *France* 52 Eb
Montmorency, *Quebec* 83 Lb
Montoro, *Spain* 50 Cc
Montoursville, *Pennsylvania* 86 Bb
Montpelier, *Idaho* 84 Dc
Montpelier, *Vermont* 83 Kc
Montpellier, *France* 53 Ee
Montreal, *Quebec* 83 Kc
Montreal L., *Saskatchewan* 80 Kf
Montrégeau, *France* 53 De
Montreuil, *France* 52 Da
Montreuil Bellay, *France* 52 Cc
Montreux, *Switzerland* 45 Bb
Montrose, *Pennsylvania* 86 Bb
Montrose, *Scotland* 30 Fd
Monts, Pt. des, *Quebec* 82 Eb
Mont-St Jean, *Belgium* 44 Cd
Mont-St-Michel & B., *Fr.* 52 Cb
Montserrat, I., *Leeward Is.* 89 Gc
Monywa, *Burma* 69 Jd
Monza, *Italy* 54 Bc
Monze, *Zambia* 75 Dc
Monzón, *Spain* 51 Fb
Moora, W. *Australia* 94 Cf
Moore, L., W. *Australia* 94 Ce
Moorefield, W. *Virginia* 86 Ac
Moorfoot Hills, *Scotland* 30 Ee
Moorhead, *Minnesota* 84 Gb
Moorsel, *Belgium* 44 Cd
Moorslede, *Belgium* 44 Bd
Moose R., *Ontario* 81 Qf
Moosehead L., *Maine* 82 Dd
Moose Jaw, *Saskatchewan* 80 Kf
Moosic, Mts., *Pennsylvania* 86 Cb
Moosomin, *Saskatchewan* 80 Lf
Moosonee, *Ontario* 81 Qf
Mopti, *Mali* 78 Ef
Moquegua, *Peru* 90 Cg
Mora, *Ethiopia* 77 Hb
Mora, *Cameroon* 79 Hf
Mora, *Portugal* 50 Ac
Mora, *Spain* 50 Dc
Mora, *Sweden* 46 Ff
Moradabad, *India* 71 Ba
Mora de Rubielos, *Spain* 51 Eb
Moramanga, *Madagascar* 77 Nk
Morano Calabro, *Italy* 55 Ff
Morar, *India* 71 Bb
Morar L., *Scotland* 30 Dd
Morat. See Murten
Moratalla, *Spain* 51 Ec
Morava, *Czechoslovakia* 49 Gd
Morava R., *Yugoslavia* 56 Cb
Moravska Trebova, *Czech.* 49 Gd
Morawhanna, *Guyana* 90 Fb
Moray, co., *Scotland* 30 Ec
Moray Firth, *Scotland* 30 Ec
Morbihan, dep., *France* 52 Bc
Morden, *Manitoba* 80 Mg
Mordova, *Russia* 61 Ed
Mordovskaya, aut. rep. *Russ.* 58 Dc
Moreau R., *S. Dakota* 84 Fb
Morecambe & B., *England* 31 Ff
Moreda, *Spain* 50 Dd
Moree, *New South Wales* 95 Je
Moreira, *Brazil* 90 Ed
Mörel, *Switzerland* 45 Db
Morelia, *Mexico* 88 Dd
Morella, *Spain* 51 Eb
Morelos, *Mexico* 88 Db
Morelos, *Mexico* 88 Cb
Morelos, state, *Mexico* 88 Ed
Morena, Sa., *Spain* 50 Cc
Morere, *New Zealand* 93 Fc
Moreton B., *Queensland* 95 Ke
Morez, *France* 52 Gc
Morgan, S. *Australia* 95 Gf
Morgan City, *Louisiana* 85 Hf
Morgat, *France* 52 Ab
Morges, *Switzerland* 45 Bb
Morgins, *Switzerland* 45 Bb
Morian, *India* 69 Hc
Morice L., *Brit. Columbia* 80 Ff
Morinville, *Alberta* 80 Jf
Morioka, *Japan* 66 Ge
Morlaix, *France* 52 Bb
Mornington, I., *Chile* 92 Ag
Moro G., *Philippines* 63 Hj
Morobe, *New Guinea* 95 Ja
Morocco, *N.-W. Africa* 78 Db
Morogoro, *Tanzania* 77 Hf
Morokwen, *Cape Province* 75 Ce
Moron, *Cuba* 89 Db
Morona, *Ecuador* 90 Bd
Morondava, *Madagascar* 77 Ml
Morón de la Frontera, *Spain* 50 Cd
Morotai, I., *Indonesia* 63 Jk
Moroto, *Uganda* 77 Gd
Morpeth, *England* 30 Fe
Morphou & B., *Cyprus* 74 Ab
Morrinhos, *Brazil* 91 Hg
Morrinsville, *New Zealand* 93 Eb
Morris, *Manitoba* 80 Mg
Morrisburg, *Ontario* 83 Jc
Morris Jesup C., *Arctic Oc.* 39 Na
Morrison, *Illinois* 83 Be
Morristown, *New Jersey* 86 Cb
Morristown, *Tennessee* 85 Kd
Morrisville, *New York* 83 Jd
Morrosquillo, G. de, *Colomb.* 90 Bb
Mors, *Denmark* 47 Ch
Morshansk, *Russia* 61 Ed
Mortagne, *France* 52 Db
Mortagua, *Portugal* 50 Ab
Mortain, *France* 52 Cb
Morven, *New Zealand* 93 Cf
Morven, *Queensland* 95 Je
Morvi, *India* 68 Dd
Moscow, *Idaho* 87 Eb
Moscow. See Moskva
Moselle, dep., *France* 52 Gb
Moselle, R., *France* 52 Gb
Mosera, I. See Masira I.
Mosgiel, *New Zealand* 93 Cf
Moshupa, *Botswana* 75 Dd
Mosjöen, *Norway* 46 Ed
Moskenesöy, *Norway* 46 Ec
Moskva, *Russia* 60 Kd
Mosonmagyarovar, *Hungary* 49 Ge
Mosqueiro, *Brazil* 91 Hd
Mosquera, *Colombia* 90 Bc
Moss, *Norway* 47 Dg
Mossamedes, *Angola* 75 Ac
Mossburn, *New Zealand* 93 Bf
Mosselbaai, *Cape Province* 75 Cf
Mossendjo, *French Congo* 76 Ce
Mossoro, *Brazil* 91 Ke
Mossuma, *Angola* 76 Eg
Mossurize, *Moçambique* 75 Ed
Most, *Czechoslovakia* 48 Ec
Mostaganem, *Algeria* 78 Fa
Mostar, *Yugoslavia* 56 Ac
Mostardas, *Brazil* 92 Fd
Mostrim, *Eire* 32 Ff
Mosul, *Iraq* 72 Db
Mota del Marqués, *Spain* 50 Cb
Motala, *Sweden* 47 Fg
Motatan, *Venezuela* 90 Cb
Motherwell, *Scotland* 30 Ee
Môtier, *Switzerland* 45 Cb
Môtiers, *Switzerland* 45 Bb
Motihari, *India* 71 Eb
Motôt, *Switzerland* 45 Cb
Motril, *Spain* 50 Dd
Motueka, *New Zealand* 93 Dd
Motul, *Mexico* 88 Gc
Moudhros, *Greece* 57 Ee
Moudon, *Switzerland* 45 Bb
Mouila, *Gabon* 76 Ce
Moukden. See Shenyang
Mould Bay, *N.-W. Terr.* 80 Ha
Moulins, *France* 52 Ec
Moulmein, *Burma* 69 Je
Moulouya R., *Morocco* 78 Eb
Mount Bellew, *Eire* 31 Bg
Mount Carmel, *Pennsylvania* 86 Bb
Mount Carroll, *Illinois* 83 Bd
Mount Clemens, *Michigan* 83 Ed
Mount Desert I. (Acadia Nat. Park), *Maine* 82 Dd
Mount Dutton, S. *Australia* 95 Ge
Mount Forest, *Ontario* 83 Fc
Mount Gambier, S. *Australia* 95 Hg
Mount Holly, *New Jersey* 86 Cc
Mount Jewett, *Pennsylvania* 86 Ab
Mount Lofty Ra., S. *Australia* 95 Gf
Mount Magnet, W. *Australia* 94 Ce
Mount Morgan, *Queensland* 95 Kd
Mount Morris, *New York* 86 Ba
Mount Murray, *Alberta* 80 Je
Mount Pleasant, *Michigan* 83 Dd
Mount Pleasant, *Pa.* 86 Ab
Mount Robson Park, *B.C.* 80 Hf
Mounts B., *England* 31 Dk
Mount Stewart, *P.E.I.* 82 Gc
Mount Union, *Pennsylvania* 86 Bb
Mount Vernon, *Virginia* 83 Hf
Mount Vernon, W. *Australia* 94 Cd
Moura, *Brazil* 90 Ed
Moura, *Portugal* 50 Bc
Mourão, *Portugal* 50 Bc
Mourne Mts., *N. Ireland* 31 Cf
Moussoro, *Chad* 79 Jf
Moutier, *Switzerland* 45 Ca
Moutohora, *New Zealand* 93 Fc
Mowming, *China* 65 Em
Mowping, *China* 64 Kd
Moyale, *Kenya* 77 Hd
Moyobamba, *Peru* 90 Be
Mozambique, See Moçambique
Mozhga, *Russia* 61 Lb
Mozyr, *Belorussia* 60 Fe
Mpanda, *Tanzania* 77 Gf
Mporokoso, *Zambia* 77 Gf
Mstislavl, *Belorussia* 60 Gd
Mtakuja, *Tanzania* 77 Gf
Mtito Andei, *Kenya* 77 He
Mtoko, *Rhodesia* 75 Ec
Mtsensk, *Russia* 60 Ke
Mu, R., *Burma* 69 Jd
Muádhdham, el, *Arabia* 72 Cd
Muang Chaiya, *Thailand* 67 Be
Muang Chana, *Thailand* 67 Ce
Muang Langsuan, *Thailand* 67 Be
Muang Nan, *Thailand* 67 Cc
Muang Palien, *Thailand* 67 Be
Mubarraz, *Arabia* 72 Ed
Mubende, *Uganda* 77 Gd
Muchinga Mts., *Zambia* 77 Gg
Mucuri, *Brazil* 91 Kg
Mudanya, *Turkey* 72 Aa
Mudawwara, *Jordan* 74 Dh
Muddus Järvi, *Finland* 46 Mb

Mugía, Spain 50 Aa
Muğla, Turkey 72 Ab
Muglad, Sudan 79 Lf
Muhamdi, India 71 Cb
Muhammadabad. See Darreh Gaz
Muhammadgarh, India 71 Bd
Muharraq, Persian Gulf 73 Fd
Mühldorf, Germany 48 Ed
Mühlehorn, Switzerland 45 Ea
Muhu, Estonia 47 Kg
Muinak, Uzbekistan 58 Ed
Muine Bheag, Eire 31 Ch
Mukdahan, Thailand 67 Cc
Mukden. See Shenyang
Mukhtuya, Russia 59 Lb
Mukhu Väin, Estonia 46 Kg
Muktinath, Nepal 71 Da
Muktsar, India 70 De
Mula, Spain 51 Ec
Mulchen, Chile 92 Be
Mulege, Mexico 88 Bb
Mulgrave, Nova Scotia 82 Hd
Mülhausen, Germany 48 Dc
Mülheim, Germany 48 Bc
Mülheim, Germany 48 Bc
Mulhouse, France 52 Gc
Mulkala, South Yemen 72 Eg
Mulki, India 68 Df
Mull I., Scotland 30 Dd
Mullaittivu, Ceylon 68 Fg
Muller Geb., Borneo 63 Fk
Mullet L., Michigan 83 Dc
Mullewa, W. Australia 94 Ce
Müllheim, Switzerland 45 Ea
Mullingar, Eire 31 Cg
Multan, West Pakistan 70 Be
Multia, Finland 46 Le
Mumbondo, Angola 76 Cg
Mumbwa, Zambia 76 Fg
Muna, I., Indonesia 63 Hm
München, Germany 48 Dd
München Gladbach, Ger. 48 Bc
Muncie, Indiana 83 De
Mundiwindi, W. Australia 94 Dd
Mundo Novo, Brazil 91 Jf
Mundrabilla, W. Australia 94 Ef
Mungari, Moçambique 75 Ec
Munich. See München
Muniesa, Spain 51 Eb
Munising, Michigan 83 Cb
Munkfors, Sweden 47 Eg
Münnerstadt, Germany 48 Dc
Muñoz Gamero, Pen., Chile 92 Bh
Münster, Germany 48 Bc
Munster, Switzerland 45 Fb
Münster, Switzerland 45 Db
Münster, Switzerland 45 Da
Munster, prov., Eire 31 Ah
Muntok, Bangka I., Indon. 63 El
Muong Attopeu, Laos 67 Dd
Muong Borikone, Laos 67 Cc
Muong Saravane, Laos 67 Dc
Muonio, R., Swed.-Finland 46 Kc
Muonionalusta, Sweden 46 Kc
Muotathal, Switzerland 45 Db
Mur, Yemen 72 Df
Murang'a, Kenya 77 He
Murakami, Japan 66 Fe
Murat, R., Turkey 72 Db
Murat Dagh, Turkey 72 Ab
Murça, Portugal 50 Bb
Murcheh Khur, Iran 73 Fc
Murchison, New Zealand 93 Dd
Murchison, C., N.-W. Terr. 81 Ud
Murchison Falls, Uganda 77 Gd
Murchison Mts., New Zealand 93 Af
Murchison, R., W. Australia 94 Ce
Murcia, Spain 51 Ed
Muresul (Maros), R., Rum. 56 Ca
Murfreesboro, Tennessee 85 Jd
Murgon, Queensland 95 Ke
Muri, Switzerland 45 Da
Muriae, Brazil 91 Jh
Murias de Paredes, Spain 50 Ba
Muricourt, Quebec 81 Sd
Müritz See, Germany 48 Eb
Murjo, Mt., Java 63 Fm
Murmansk, Russia 58 Cb
Murom, Russia 61 Fc
Muroran, Japan 66 Gc
Muros, Spain 50 Aa
Murray, Utah 84 Dc
Murray, R., N.S.W., etc. 95 Jg
Murray Bridge, S. Australia 95 Gg
Murray Harbour, P.E.I. 82 Gd
Murray River. P.E.I. 82 Gc
Murree, West Pakistan 70 Cd
Mürren, Switzerland 45 Cb
Murrumbidgee, R., N.S.W. 95 Jf
Mursan, India 70 Eg
Murshidabad, India 71 Gc
Mursir. See Ash
Murten & See, Switzerland 45 Cb
Muroroa I., Tuamotu Arch. 99 Mk
Murwara, India 71 Cd
Murzuq, Libya 79 Hc
Muş, Turkey 72 Db
Musa Kala, Afghanistan 73 Hc
Musalamiya, Arabia 72 Ed
Muscat, Muscat & Oman 73 Ge
Muscat & Oman, Arabian Pen. 73 Ge
Muscatine, Iowa 85 Hc
Musemir, S. Yemen 72 Dg
Musgrave, Queensland 95 Hb
Musgrave Ra., S. Aust., etc. 94 Fe
Musgravetown, Nfd. 82 Mb
Mushie, Congo 76 De
Muskeget Chan., Mass. 86 Eb
Muskegon, Michigan 83 Cd
Muskegon R., Michigan 83 Dd
Muskogee, Oklahoma 84 Gd
Musmar, Sudan 79 Ne
Musoma, Tanzania 77 Ge
Musquaro, L., Quebec 82 Ha
Mussau, I., Pacific Ocean 98 Dh
Mussidan, France 53 Dd
Mustahil, Ethiopia 77 Jc
Mustajidda, Arabia 72 Dd
Mustang, Nepal 71 Da
Mustang I., Texas 84 Gf
Musters, L., Argentina 92 Cg
Muswellbrook, New S. Wales 95 Kf
Mut, Egypt 79 Lc
Mut, Turkey 72 Bb
Mutanda, Zambia 76 Fg
Mutano, Angola 75 Ac
Mutoray, Russia 59 Kb
Mutsu B., Japan 66 Gd
Mutton I., Eire 31 Ah
Mutumbo, Angola 76 Dg
Mutupet, India 68 Ef
Muwale, Tanzania 77 Gf
Muy, Ile, France 53 Ge
Muya, Japan 66 Dg
Muya, Russia 59 Lc
Muy Muy, Nicaragua 89 Bd
Muzaffarabad, Kashmir 70 Cc
Muzaffargarh, W. Pakistan 70 Be
Muzaffarnagar, India 70 Ef
Muzaffarpur, India 71 Eb
Muzhi, Russia 58 Fb
Muzquiz, Mexico 88 Db
Muztagh Ata, Mt., China 70 Da
Mwanza, Tanzania 77 Ge
Mweelrea, Eire 31 Ag
Mweru L., Congo 77 Ff
Mwinilunga, Zambia 76 Eg
Myadaung, Burma 69 Jd
Myanaung, Burma 69 Je
Myaungmya, Burma 69 Je
Myebon, Burma 69 Hd
Myingyan, Burma 69 Jd
Myinmolettkat, Mt., Burma 69 Jf
Myitkyina, Burma 69 Jc
Myjava, Czechoslovakia 49 Gd
Mymensingh, East Pakistan 69 Hd
Myohaung, Burma 69 Hd
Myrdal, Norway 47 Bf
Myslowice, Poland 49 Hc
Mysore, India 68 Ef
My Tho, South Vietnam 63 Eh
Myzakyula, Estonia 47 Lg
Mziha, Tanzania 77 Hf
Mzimba, Malawi 77 Gg
Naantali, Finland 47 Kf
Naarden, Netherlands 44 Db
Nabadwip, India 71 Gd
Nabatiya, Lebanon 74 Dd
Nabberu, L., W. Australia 94 De
Nabha, India 70 Ee
Nablus, Jordan 74 De
Nacaome, Honduras 89 Bd
Nachvak B., Labrador 81 Ue
Nacimiento, Mexico 88 Db
Nacozari de Garcia, Mexico 88 Ca
Nadia. See Nabadwip
Nadiad, India 68 Dd
Næröy, Norway 46 Dd
Næstved, Denmark 47 Dj
Nafels, Switzerland 45 Ea
Naft, Iran 72 Ec
Nafud Desert, Arabia 72 Cd
Naga, South Yemen 72 Eg
Naga, Philippines 63 Hh
Naga Hills, India 69 Hc
Nagalama, Uganda 77 Gd
Nagaland, India 67 Aa
Nagano, Japan 66 Ff
Nagaoka, Japan 66 Ff
Nagapattinam, India 68 Ef
Nagar, India 70 Ed
Nagar, Kashmir 70 Db
Nagar Karnul, India 68 Ee
Nagar Parkar, India 68 Dd
Nagasaki, Japan 66 Ah
Nagaur, India 68 Dc
Nagda, India 68 Ed
Nagercoil, India 68 Eg
Nagha Kalat, W. Pakistan 68 Cc
Nagina, India 71 Ba
Nagoya, Japan 66 Eg
Nagpur, India 68 Ed
Nagu, Finland 47 Jf
Nagykanizsa, Hungary 49 Ge
Naha, Japan 66 Mp
Nahael Niyeu, Argentina 92 Cf
Nahan, India 70 Ee
Nahariya, Israel 74 Dd
Nahavendi, Iran 72 Ee
Naifar, Iraq 72 Ec
Naihati, India 71 Gd
Nain, Labrador 81 Ue
Nain, Iran 73 Fc
Naini Tal, India 71 Ba
Nain Sing Ra., Tibet 68 Fb
Nairobi, Kenya 77 He
Naisecho, Kenya 77 Hd
Naivasha, & L., Kenya 77 He
Najd, Arabia 72 Dd
Najera, Spain 51 Da
Najibabad, India 71 Ba
Najin, Korea 62 Kb
Najira, Arabia 72 Ed
Nakajo, Japan 66 Fe
Nakamura, Japan 66 Ch
Nakatsu, Japan 66 Bh
Nakfa, Eritrea 77 Ha
Nakhla, Arabia 73 Fe
Nakhichevan, Russia 58 De
Nakhon Pathom, Thailand 67 Cd
Nakhon Phanom, Thailand 67 Cc
Nakhon Ratchasima, Thailand 67 Cd
Nakhon Sawan, Thailand 67 Cc
Nakhon Si Thammarat, Thailand 67 Be
Nakina, Ontario 81 Pf
Nakl Mubarak, Arabia 72 Ce
Nakodar, India 70 De
Nakuru, Kenya 77 He
Nalagarh, India 70 Ee
Nalgonda, India 68 Ee
Nallamalai Hills, India 68 Ee
Nalusa, Zambia 76 Eg
Nalut, Libya 79 Hb
Namangan, Uzbekistan 58 Gd
Namasagali, Uganda 77 Gd
Namatail, Moçambique 77 Hh
Nambala, Zambia 76 Fh
Namcha Barwa, China 62 Ce
Nam-dinh, N. Vietnam 67 Db
Namhoi, China 65 Fl
Namib Desert, S.-W. Africa 75 Ad
Namlea, I., Indonesia 63 Jl
Namling Dzong, Tibet 69 Gc
Nam Mao R. See Shweli R.
Namonuito, Is., Caroline Is. 98 Eg
Namorona, Madagascar 77 Nl
Nampa, Idaho 87 Ed
Nampula, Moçambique 77 Hh
Nams Vatn, Norway 46 Ed
Namsen R., Norway 46 Ed
Namsos, Norway 46 Dd
Namtsy, Russia 59 Mb
Namtu, Burma 69 Jd
Namur & prov., Belgium 44 Cd
Namutoni, S.-W. Africa 75 Bc
Namwala, Zambia 75 Dc
Namyang, China 65 Gk
Nanaimo, Brit. Columbia 80 Gg
Nana Kru, Liberia 78 Dh
Nanan. See Tayü
Nanao, Japan 66 Ef
Nanchang, China 65 Gh
Nancheng. See Hanchung
Nancheng, China 65 Hj
Nan-ching. See Nanking
Nanchung, China 64 Cg
Nancy, France 52 Gb
Nanda Devi, Mt., India 68 Eb
Nanded, India 68 Ee
Nanga Parbat, Kashmir 70 Dc
Nanjangud, India 68 Ef
Nankang. See Singtze
Nanking, China 64 Jg
Nannine, W. Australia 94 Ce
Nanning, China 65 Dl
Nanortalik, Greenland 39 Pd
Nanpara, India 71 Cb
Nanping, China 65 Jj
Nanripo, Moçambique 77 Hg
Nan Shan, China 62 Cc
Nantan, China 65 Ck
Nantes, France 52 Cc
Nanticoke, Pennsylvania 86 Bb
Nantucket, Massachusetts 83 Le
Nantucket I., Massachusetts 86 Eb
Nantucket Sd., Mass. 86 Eb
Nantung, China 64 Kf
Nanuque, Brazil 91 Jg
Nanyang, China 64 Ff
Nanyuki, Kenya 77 Hd
Naoetsu, Japan 66 Ff
Naoshera, Kashmir 70 Dd
Napa, California 87 Bf
Napanee, Ontario 83 Hc
Napas, Russia 58 Hc
Napier, New Zealand 93 Fc
Naples. See Napoli
Napoli, Italy 55 De
Napoli, G. di, Italy 55 De
Naqb Ashtar, Jordan 74 Dg
Nara, Mali 78 De
Nara, Japan 66 Dg
Naracoorte, S. Australia 95 Hg
Narathiwat, Thailand 67 Ce
Narayanganj, East Pakistan 69 Hd
Narbonne, France 53 Ee
Nares Ld., Greenland 39 Pa
Nari R., West Pakistan 68 Cc
Narino, Colombia 90 Bc
Narken, Sweden 46 Kc
Narmada R., India 68 Dd
Narnaul, India 70 Df
Narok, Kenya 77 He
Narovchat Russia 61 Fd
Narowal, West Pakistan 70 Dd
Narrabri, New South Wales 95 Jf
Narragansett B., Rhode I. 86 Eb
Narranderra, New S. Wales 95 Jf
Narrogin, W. Australia 94 Cf
Narsimhapur, India 71 Bd
Narsinghgarh, India 71 Bc
Narva, Estonia 47 Ng
Narva Laht, Estonia 47 Mg
Narvik, Norway 46 Gb
Narwar, India 71 Ac
Naryan Mar, Russia 58 Eb
Narykary, Russia 58 Fb
Narym, Russia 58 Hc
Naryn, Kirgizia 58 Gd
Naseby, New Zealand 93 Cf
Nashua & R., New Hampshire 86 Ea
Nashville, Tennessee 85 Jd
Nasi Järvi, Finland 47 Kf
Nasian, Ghana 78 Eg
Nasik, India 68 Dd
Nasirabad, India 68 Dc
Naskaupi R., Labrador 81 Uf
Nassau, B. de, Chile 92 Cj
Nassau, Bahama Is. 89 Da
Nassau, I., Pacific Ocean 98 Jj
Nasser, L., Egypt 79 Md
Nässjö, Sweden 47 Fh
Nata, Panama 89 Ce
Natal, Brazil 91 Ke
Natal, Brazil 90 Ee
Natal, South Africa 75 Ee
Natal, Sumatra 63 Ck
Natashquan, Quebec 81 Uf
Natashquan R., Quebec 82 Ha
Natchez, Mississippi 85 He
National City, California 87 Ej
Natividade, Brazil 91 Hf
Natron L., Tanzania 77 He
Nattavaara, Sweden 46 Jc
Naturaliste, C., W. Aust. 94 Bf
Naturawit L., N.-W. Terr. 80 Md
Naujoji Vilnia, Lithuania 47 Lj
Naukhas, S.-W. Africa 75 Bd
Naumburg, Germany 48 Dc
Nauplia. See Navplion
Naur, Jordan 74 Df
Nauru, I., Pacific Ocean 98 Fh
Naushahra. See Nowshera
Naushahro, West Pakistan 68 Cc
Naushki, Russia 59 Kc
Nauta, Peru 90 Cd
Nautla, Mexico 88 Ec
Nava del Rey, Spain 50 Cb
Navalcarnero, Spain 50 Cb
Navalmoral, Spain 50 Cc
Navan, Eire 31 Cg
Navarino, I., Chile 92 Cj
Navarre, prov., France 53 Ce
Navarro, Argentina 92 Ee
Navojoa, Mexico 88 Cb
Navplion, Greece 57 Df
Navrongo, Ghana 78 Ef
Navsari, India 68 Dd
Nawa, Syria 74 Ee
Nawab Basoda, India 71 Bd
Nawabganj, India 71 Db
Nawabganj, India 71 Cb
Nawada, India 71 Ec
Nawahganj, India 71 Ba
Nawai, India 68 Ec
Nawalgarh, India 70 Dg
Náxos, I., Greece 57 Ef
Nayakhan, Russia 59 Qb
Nayarit, state, Mexico 88 Cc
Nayarit, Sa. de, Mexico 88 Dc
Nay Band, Iran 73 Fd
Nayfah, Arabia 73 Ff
Nayoro, Japan 66 Hb
Nazaré da Mata, Brazil 91 Ke
Nazareth, Israel 74 De
Nazas, Mexico 88 Db
Nazca, Peru 90 Cf
Naze, The. See Lindesnes
Nazilli, Turkey 72 Ab
Nazimovo, Russia 59 Jc
Ncheu, Malawi 77 Gg
Ndala, Tanzania 77 Ge
Ndeni, I., Santa Cruz Is. 98 Fj
Ndjolé, Gabon 76 Ce
Ndola, Zambia 77 Fg
Neagh L., N. Ireland 31 Cf
Neápolis, Crete 57 Eg
Near Is., Aleutian Islands 85 Um
Neath, Wales 31 Ej
Nebikon, Switzerland 45 Ca
Nebit-Dag, Turkmen 58 Ee
Nebo, Mt., Utah 87 Gf
Nebraska, state, U.S.A. 84 Fc
Necedah, Wisconsin 83 Ac
Neckar, R., Germany 48 Cd
Necochea, Argentina 92 Ee
Nederweert, Netherlands 44 Dc
Neede, Netherlands 44 Eb
Needles, California 87 Fh
Needles, The, Arizona 87 Fh
Needles, The, England 31 Fk
Neemuch, India 68 Dd
Neenah, Wisconsin 83 Bc
Neepawa, Manitoba 80 Mf
Neerpelt, Belgium 44 Dc
Negaunee, Michigan 83 Cb
Negombo, Ceylon 68 Eg
Negra Pt., Philippines 63 Hg
Negrais, C., Burma 69 He
Negritos, Peru 90 Ad
Negro, R., Argentina 92 De
Negro, R., Brazil 90 Ed
Negro, R., Uruguay 92 Ed
Negros, I., Philippines 63 Hj
Negru Vodă, Rumania 56 Gc
Nehbandān, Iran 73 Hc
Neilsville, Wisconsin 83 Ac
Neisse. See Nysa
Neiva, Colombia 90 Bc
Neksö, Bornholm I., Denmark 47 Fj
Nelkan, Russia 59 Nc
Nellore, India 68 Ff
Nelma, Russia 59 Nd
Nelson, Br. Columbia 80 Hg
Nelson, New Zealand 93 Dd
Nelson Hd., N.-W. Terr. 80 Gb
Nelson L., Manitoba 80 Me
Nelson, Mt., Br. Columbia 80 Hf
Nelson R., Manitoba 80 Ne
Néma, Mauritania 78 De
Neman, Russia 47 Kj
Nemikachi, L., Quebec 83 Jb
Nemours, Algeria. See Jhazaouet
Nemours, France 52 Eb
Nemunas, R., Lithuania 47 Kj
Nemuro, Japan 66 Jc
Nemuro B., Japan 66 Jc
Nenagh, Eire 31 Bh
Nendeln, Liechtenstein 45 Ea
Nene R., England 37 Nd
Neopolis, Brazil 91 Kf
Nepa, Russia 59 Kc
Nepal, Asia 69 Fc
Nepalganj, Nepal 71 Ca
Nérac, France 53 Dd
Nerchinsk, Russia 59 Lc
Neringa, Russia 60 Bd
Nerpio, Spain 51 Dc
Nes, Russia 58 Db
Nesna, Norway 46 Ec
Ness L., Scotland 30 Ec
Nesset, Norway 46 Ce
Nesslau, Switzerland 45 Ea
Nesthorn, Mt., Switzerland 45 Cb
Nesttun, Norway 47 Af
Netanya, Israel 74 Ce
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Newport, Quebec 82 Fb
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Northumberland Strait, New Brunswick, etc. 82 Fc
Northumberland, Pa. 86 Bb
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Novocherkassk, Russia 61 Eg
Novokuznetsk, Russia 58 Hc
Novo Mesto, Yugoslavia 54 Ec
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Nurri, Sardinia 55 Bf
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Nymagee, New South Wales 95 Jf
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Oakland, Maryland 83 Gf
Oakville, Ontario 83 Gd
Oamaru, New Zealand 93 Cf
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Okanagan Lake, B.Columbia 80 Gg
Okanogan R., Washington 84 Cb
Okaukuejo, S.-W. Africa 75 Bc
Okavango, R., Angola 75 Bc
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Onoto, Venezuela 90 Db
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Onslow B., N. Carolina 85 Le
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Ontario, L., U.S.A.-Canada 85 Lc
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Oosthuizen, Netherlands 44 Db
Oostmalle, Belgium 44 Cc
Oostvoorne, Netherlands 44 Cc
Ootacamund, India 68 Ef
Opala, Russia 59 Qc
Opari, Sudan 79 Mh
Opatija, Yugoslavia 54 Ec
Opava, Czechoslovakia 49 Gd
Ophir, Mt., W. Malaysia 67 Cf
Ophoven, Belgium 44 Dç
Opochka, Russia 60 Fc
Opodepe, Mexico 88 Ba
Opole, Poland 49 Gc
Oporto. See Porto
Opotiki, New Zealand 93 Fc
Oppa B., Japan 66 Ge
Oppeln. See Opole
Opunake, New Zealand 93 Dc
Oputo, Mexico 88 Ca
Oqair. See Uqair
Oradea, Rumania 56 Ca
Orai, India 71 Bc
Oran, Algeria 78 Ea
Orange, France 53 Fd
Orange, Massachusetts 86 Da
Orange, Texas 85 He
Orange R., South Africa 75 Be
Orange Free State, South Africa 75 De
Orangeburg, S. Carolina 85 Ke
Orangeville, Ontario 83 Fd
Oranje Geb., Surinam 91 Fc
Oras, Philippines 63 Jh
Orăştie, Rumania 56 Db
Oraşul Stalin. See Brasov
Oravita, Rumania 56 Cb
Oravská Magura, Czech. 49 Hd
Orbe, Switzerland 45 Bb
Orcera, Spain 51 Dc
Orchha, India 71 Bc
Ord, Mt., W. Australia 94 Ec
Ordenes, Spain 50 Aa
Ord River, W. Australia 94 Ec
Ordu, Turkey 72 Ca
Ordzhonikidze, Russia 58 Dd
Ordzhonikidzegrad. See Bezhitsa
Örebro, Sweden 47 Fg
Oregon, Illinois 83 Bd
Oregon, state, U.S.A. 84 Bc
Oregon City, Oregon 87 Bc
Öregrund, Sweden 47 Hf
Orekhovo Zuyevo, Russia 60 Ld
Orel, Russia 60 Ke
Orellana, Peru 90 Be
Orellana, Spain 50 Cc
Orenburg, Russia 61 Me
Orense, Spain 50 Ba
Orepuki, New Zealand 93 Ag
Öresund, Denmark-Sweden 47 Ej
Orgaña, Spain 51 Fa
Orgaz, Spain 50 Dc
Orhon R., Mongolia 62 Da
Oriental, Cord., Colombia 90 Cb
Oriental, Cord., Peru 90 Be
Orihuela, Spain 51 Ec
Orillia, Ontario 83 Gc
Orinoco, R., Venezuela 90 Eb
Orissa, state, India 69 Fd
Oristano & G. di., Sardinia 55 Bf
Orivesi, Finland 46 Ne
Oriximiná, Brazil 91 Fd
Orizaba, Mexico 88 Ed
Orizare, Bulgaria 56 Fc
Orizona, Brazil 91 Hg
Orkanger, Norway 46 Ce
Orkney, Scotland 30 Fb
Örland, Norway 46 Ce
Orlando, Florida 85 Kf
Orléanais, prov., France 52 Dc
Orléans, France 52 Dc
Orleans, I. of, Quebec 83 Lb
Orléansville. See El-Asnam
Orman, Syria 74 Ee
Ormara, West Pakistan 68 Bc
Ormondville, New Zealand 93 Fd
Ornach, West Pakistan 68 Cc
Orne, dep., France 52 Cb
Örnsköldsvik, Sweden 46 He
Orochen, Russia 59 Mc
Orocue, Colombia 90 Cc
Oroluk, I., Caroline Islands 98 Eg
Oron. See Kochumdek
Orono, Maine 82 Dd
Orontes, R., Syria 72 Cb
Orosei, G. di, Sardinia 55 Be
Orosi, Vol., Costa Rica 89 Bd
Orsa, Sweden 47 Ff
Orsha, Belorussia 60 Gd
Orsières, Switzerland 45 Cb
Orsk, Russia 61 Pe
Orsova, Rumania 56 Db
Ortegal, C., Spain 50 Ba
Orthez, France 53 Ce
Ortiz, Mexico 88 Cb
Ortiz, Venezuela 90 Db
Orugueira, Spain 50 Ba
Orulgan Khrebet, Russia 59 Mb
Oruro, Bolivia 90 Dg
Orust, Sweden 47 Dg
Oryekhovo, Russia 61 Ge
Osa, Russia 61 Mb
Osaka, Japan 66 Dg
Oschiri, Sardinia 55 Be
Oscoda, Michigan 83 Ec
Osen, Norway 46 Dd
Osh, Kirgizia 58 Gd
Oshawa, Ontario 83 Gd
O Shima, Japan 66 Fg
Oshkosh, Wisconsin 83 Bc
Oshnoviyeh, Iran 72 Eb
Osijek, Yugoslavia 56 Bb
Osilo, Sardinia 55 Be
Osipenko, Russia 59 Nc
Osipovichi, Belorussia 60 Fe
Osire Süd, S.-W. Africa 75 Bd
Oskarshamn, Sweden 47 Gh
Oslo, Norway 47 Dg
Oslo Fd., Norway 47 Dg
Osmanabad, India 68 Ee
Osmancik, Turkey 72 Ba
Osnabrück, Germany 48 Cb
Osorio, Brazil 92 Fc
Osorno, Chile 92 Bf
Osorno, Spain 50 Ca
Osowiec, Poland 49 Kb
Oss, Netherlands 44 Dc
Ossining, New York 86 Db
Östavall, Sweden 46 Fe
Ostende, Belgium 44 Ac
Österreich, Nieder, prov., Austria 49 Fd
Österreich, Ober, prov., Austria 48 Fd
Östersund, Sweden 46 Fe
Östhammar, Sweden 47 Hf
Ostrava, Czechoslovakia 49 Hd
Ostroda, Poland 49 Hb
Ostrołęka, Poland 49 Jb
Ostrov, Rumania 56 Gb
Ostrov, Russia 60 Fc
Ostrovno, Russia 59 Rb
Ostrowiec, Poland 49 Jc
Ostrów Mazowiecka, Poland 49 Jb
Ostuni, Italy 55 Fe
Östvagöy, Norway 46 Fb
Ösumi Kaikyō, Japan 66 Bj
Osuna, Spain 50 Cd
Oswego & R., New York 86 Ba
Oswestry, England 31 Eh
Ota, Japan 66 Cg
Otago Peninsula, N.Z. 93 Cf
Otaki, New Zealand 93 Ed
Otaru & B., Japan 66 Gc
Otasuts, Japan 66 Gc
Otavalo, Ecuador 90 Bc
Otepää, Estonia 47 Mg
Othris, Mts., Greece 57 De
Otira, New Zealand 93 Ce
Otis, New Brunswick 82 Ec
Otjiwarongo, S.-W. Africa 75 Bd
Otoçac, Yugoslavia 54 Ec
Otoineppu, Japan 66 Hb
Otorohanga, New Zealand 93 Ec
Otradnyy, Russia 61 Kd
Otranto, Str. of, It.-Albania 57 Bd
Otsego, L., New York 86 Ca
Otsu, Japan 66 Dg
Ottawa, Illinois 83 Be
Ottawa, Kansas 85 Gd
Ottawa, Ontario 83 Jc
Ottawa Is., Hudson B., Canada 81 Qe
Ottawa R., Quebec, etc. 83 Hb
Otterlo, Netherlands 44 Db
Otteröy, Norway 46 Be
Ottignies, Belgium 44 Cd
Otting, Germany 48 Ed
Ottumwa, Iowa 85 Hc
Otus, Russia 60 Jj
Otway, B., Chile 92 Bh
Otway, C., Victoria, Aust. 95 Hg
Otwock, Poland 49 Jb
Ötz, Austria 48 De
Ötztaler Alpen, Italy/Austria 54 Cb
Ouachita Mts., Arkansas, etc 85 He
Ouachita R., Arkansas 85 He
Ouagadougou, Volta 78 Ef
Ouahigouya, Volta 78 Ef
Ouangolodougou, Ivory Cst. 78 Dg
Ouargla, Algeria 78 Gb
Oubangui R., Congo 76 Dd
Ouddorp, Netherlands 44 Bc
Oudecappelle, Belgium 44 Ac
Oudenaarde. See Audenarde
Oudenbosch, Netherlands 44 Cc
Oudtshoorn, Cape Province 75 Cf
Ouessant, I. d', France 52 Ab
Ouezzane, Morocco 78 Db
Ouidah, Dahomey 78 Fg
Oulu, Finland 46 Ld
Oulu Järvi, Finland 46 Md
Oulu Joki, Finland 46 Md
Oum Chalouba, Chad 79 Ke
Ounas Joki, Finland 46 Lc
Ouricuri, Brazil 91 Je
Ourinhos, Brazil 91 Hh
Ouro Preto, Brazil 91 Jh
Ouse R., England 31 Gf
Ouse R., England 31 Hh
Outarde B., Quebec 82 Db
Outardes, R. aux, Quebec 82 Db
Outjo, S.-W. Africa 75 Bd
Ouyen, Victoria, Australia 95 Hg
Ovalle, Chile 92 Bd
Ovar, Portugal 50 Ab
Over Flakkee I., Netherlands 44 Cc
Overijssel, prov., Netherlands 44 Eb
Överkalix, Sweden 46 Kc
Övermark, Finland 46 Je
Overpelt, Belgium 44 Dc
Övertornea, Sweden 46 Kc
Oviedo, Spain 50 Ca
Ovruch, Ukraine 60 Ff
Owaka, New Zealand 93 Bg
Owasco L., New York 86 Ba
Owatonna, Minnesota 85 Hc
Owego, New York 86 Ba
Owen I., Burma 69 Jf
Owen, Wisconsin 83 Ac
Owensboro, Kentucky 85 Jd
Owens L., California 87 Eg
Owen Sound, Ontario 83 Fc
Owen Stanley Ra., Papua 95 Ja
Owerri, Nigeria 78 Gg
Owo, Nigeria 78 Gg
Owosso, Michigan 83 Dd
Owyhee R., Oregon 87 Ed
Oxford, Maryland 83 Hf
Oxford, New York 83 Jd
Oxford & co., England 31 Gj
Oxley's Pk., New S. Wales 95 Jf
Oyem, Gabon 76 Cd
Oymyakon, Russia 59 Pb
Oyo, Nigeria 78 Fg
Oyster B., Tasmania 95 Jh
Ozark Plat., Missouri, etc. 85 Hd
Ozarks, L. of the, Missouri 85 Hd
Ozd, Hungary 49 Jd
Ozerki, Russia 61 Gd
Ozhogino, Russia 59 Pb
Ozieri, Sardinia 55 Be
Ozun, Rumania 56 Eb
Paan, Burma 69 Je
Paan, China 62 Ce
Paarl, Cape Province, S. Afr. 75 Bf
Pabaži, Latvia 47 Lh
Pabianice, Poland 49 Hc
Pabna, East Pakistan 71 Gd
Pacaraima, Sa., Brazil, etc 90 Ec
Pacasmayo, Peru 90 Be
Pachbhadra, India 68 Dc
Pachen, Tibet 62 Bd
Pachow. See Pachung
Pachuca, Mexico 88 Ec
Pachung, China 64 Cg
Paços, Portugal 50 Ab
Padam, Kashmir 70 Ed
Padang, Sumatra 63 Dl
Paderborn, Germany 48 Cc
Padilla, Bolivia 90 Eg
Padova, Italy 54 Cc
Padrauna, India 71 Eb
Padre I., Texas 84 Gf
Padstow, England 31 Dk
Padua. See Padova
Paducah, Kentucky 85 Jd
Padul, Spain 50 Dd
Paeroa, New Zealand 93 Eb
Pafuri, Moçambique 75 Ed
Pagai Is., Indonesia 63 Dl
Pagan, Burma 69 Hd
Pagan I., Mariana Is. 98 Df
Pagasaí, G. of, Greece 57 De
Pago, I., Yugoslavia 54 Ec
Pagong L., Kashmir-Tibet 68 Eb
Paharpur, West Pakistan 70 Bd
Pahiatua, New Zealand 93 Ed
Pahlavi Dezh, Iran 73 Fb
Pahsien, China 64 Hc
Pahsien. See Chungking
Paignton, England 31 Ek
Paiho, China 64 Ef
Paijanne, L., Finland 47 Lf
Pai-Khoi Khrebet, Russia 58 Fb
Pailingmiao, China 62 Fb
Pailani, India 71 Cc
Paimpol, France 52 Bb
Painted Desert, Arizona 84 Dd
Paisley, Ontario 83 Fc
Paisley, Scotland 30 Ee
Paita, Peru 90 Ae
Pai Tu Hu, China 64 Hg
Paiz do Vinho, Portugal 50 Bd
Pajakumbuh, Sumatra 63 Dl
Pajala, Sweden 46 Kc
Pajares, Spain 50 Ca
Pajde, Estonia 47 Lg
Pakanbaru, Sumatra 63 Dk
Pakaur, India 71 Fc
Pakchan, Burma 69 Jf
Pak-hoi, China 65 Dm
Pakistan, South Asia 68 Cc
Pak-lay, Laos 67 Cc
Pakokku, Burma 69 Jd
Pakpattan, West Pakistan 70 Ce
Pakrac, Yugoslavia 54 Fc
Paks, Hungary 49 He
Pakse, Laos 67 Dc
Pakwach, Uganda 77 Gd
Palafrugell, Spain 51 Gb
Palaiokhóra, Crete 57 Dg
Palamau, India 71 Ed
Palamcottah, India 68 Eg
Palamós, Spain 51 Gb
Palamuse, Estonia 47 Mg
Palana, Russia 59 Rc
Palanpur, India 68 Dd
Palapye Rd., Botswana 75 Dd
Palau Is., Pacific Ocean 63 Kj
Palaw, Burma 67 Bd
Palawan, I., Philippines 63 Gj
Paldiski, Estonia 47 Lg
Palembang, Sumatra 63 Dl
Palena, Chile 92 Bf
Palencia, Spain 50 Ca
Palenque, Mexico 88 Fd
Paleokhorio, Cyprus 74 Bc
Palermo, Argentina 92 Db
Palermo, Sicily 55 Df
Palestina, Chile 92 Cb
Palestine, Texas 84 Ge
Palestine, West Asia 72 Cc
Paletwa, Burma 69 Hd
Palghat, India 68 Ef
Palgrave Pt., S.-W. Africa 75 Ad
Palgu Tso, Tibet 69 Gc
Palhoça, Brazil 92 Gc
Pali, India 68 Dc
Palimé, Togo 78 Fg
Palisade, Nevada 87 Ee
Paliseul, Belgium 44 De
Palizada, Mexico 88 Fd
Palk Str., India 68 Eg
Palkot, India 71 Ed
Palliser B., New Zealand 93 Ed
Palm I., Queensland 95 Jc
Palma, Balearic Is. 51 Gc
Palma, Moçambique 77 Jg
Palma, I., Canary Is. 78 Bc
Palmares, Brazil 92 Fd
Palmas, Brazil 92 Fc
Palmas, B., Mexico 88 Cc
Palmas C., Liberia 78 Dh
Palmas, G. of, Sardinia 55 Bf
Palma Sola, Venezuela 90 Da
Palm Beach, West, Florida 85 Kf
Palmeira, Brazil 92 Fc
Palmer Arch., Antarctica 100 Sc
Palmerston, Ontario 83 Fd
Palmerston I., Cook Islands 98 Jj
Palmerston North, N.Z. 93 Ed
Palmerston South, N.Z. 93 Cf
Palmira, Colombia 90 Bc
Palms, Michigan 83 Ed
Palmyra, Syria 72 Cc
Palmyra I., Pacific Ocean 98 Jg
Palni Hills, India 68 Ef
Paloh, Borneo 63 Ek
Paloich, Sudan 79 Mf
Palo Santo, Argentina 92 Ec
Palpa, Nepal 71 Db
Palu, Turkey 72 Db
Palwal, India 70 Ef
Pamban Chan., India 68 Eg
Pamekasan, Indonesia 63 Fm
Pamiers, France 53 De
Pamir, Mts., Russia 58 Ge
Pamlico Sd., N. Carolina 85 Ld
Pampias, Peru 90 Cf
Pamplona, Colombia 90 Cb
Pamplona, Spain 51 Ea
Panache L., Ontario 83 Fb
Panagyurishte Bulgaria 56 Ec
Panāh, Iran 73 Hd
Panama & republic, Central America 89 De
Panama, G. of, Panama 89 De
Panama Canal, Central America 89 Gb
Panama City, Florida 85 Je
Panarea, I., Italy 55 Ef
Panay, I., Philippines 63 Hh
Pančevo, Yugoslavia 56 Cb
Panciu, Rumania 56 Fb
Pandan, Philippines 63 Hh
Pan de Azucar, Chile 92 Bc
Pandharpur, India 68 Ee
Pando, Uruguay 92 Ed
Pandora, Costa Rica 89 Ce
Panevezys, Lithuania 47 Lj
Panfilov, Kazakhstan 58 Hd
Panfilovo, Russia 61 Fe
Pangala, French Congo 76 Ce
Pangkiang, China 62 Fb
Panguitch, Utah 84 Dd
Pania Mutombo, Congo 76 Ef
Panipat, India 70 Ef
Panja, China 62 Bc
Panjim. See Nova Goa
Panjnad R., West Pakistan 70 Bf
Pannerden, Netherlands 44 Ec
Panruti, India 68 Ef
Pantanaw, Burma 69 Je
Pantar, I., Indonesia 63 Hm
Pantelleria, I., Medit. Sea 55 Dg
Pao-an-chow, China 64 Gb
Paochang, China 64 Ga
Paochi. See Paoki
Pão de Açúcar, Brazil 91 Ke
Paoki, China 64 Ce
Paoking. See Shaoyang
Paola, Italy 55 Ff
Paoning. See Langchung
Paosham, China 62 Ce
Paoting, China 64 Gc

Pao-tow, *China* 64 Db
Papakura, *New Zealand* 93 Eb
Papantla, *Mexico* 88 Ec
Papa Stour I., *Scotland* 30 Ha
Papa Westray, I., *Orkney Is.* 30 Fa
Papenburg, *Germany* 48 Bb
Papendrecht, *Netherlands* 44 Cc
Paphos, *Cyprus* 74 Ac
Paposo, *Chile* 92 Bc
Papua, prov., *New Guinea* 95 Ha
Papua, G. of, *Papua* 95 Ha
Papun, *Burma* 69 Je
Pará, *Brazil* 91 Hd
Para, R., *Brazil* 91 Hd
Paracatu, *Brazil* 91 Hg
Paracel Is. & Reefs, *South China Sea* 67 Ec
Parachinar, *West Pakistan* 70 Bd
Paracin, *Yugoslavia* 56 Cc
Paracurú, *Brazil* 91 Kd
Paradis, *Quebec* 81 Rg
Parag. See Park
Paragould, *Arkansas* 85 Hd
Paraguari, *Paraguay* 92 Ec
Paraguay, rep., *S. America* 92 Eb
Paraguay, R., *Argent., etc.* 92 Ec
Parah, *Afghanistan* 73 Hc
Parakes, *Botswana* 75 Cc
Parakou, *Dahomey* 78 Fg
Paramaribo, *Surinam* 91 Fb
Paramonga, *Peru* 90 Bf
Paramoshir, *Russia* 59 Qc
Parana, *Argentina* 92 Dd
Paranã, *Brazil* 91 Hf
Parana, R., *Argentina* 92 Ec
Paranagua, *Brazil* 92 Gc
Paranáiba & R., *Brazil* 91 Gg
Parang, *Philippines* 63 Hj
Paranga, *Uganda* 77 Gd
Parapóla, I., *Greece* 57 Df
Paratinga, *Brazil* 91 Jf
Parbati R., *India* 68 Ed
Parbhani, *India* 68 Ee
Parchim, *Germany* 48 Db
Pardubice, *Czechoslovakia* 49 Fc
Parecis, Sa. dos, *Brazil* 90 Ef
Parent, *Quebec* 82 Ac
Pareora, *New Zealand* 93 Cf
Pariaguan, *Venezuela* 90 Eb
Parika, *Guyana* 90 Fb
Parinari, *Peru* 90 Cd
Parintins, *Brazil* 91 Fd
Paris, *France* 52 Eb
Paris, *Illinois* 83 Cf
Paris, *Ontario* 83 Fd
Paris, *Texas* 84 Ge
Parita, B. de, *Panama* 89 Ce
Pariz, *Iran* 73 Gd
Park, *Iran* 73 Hd
Park Ra., *Wyoming* 84 Ec
Parker, C., *N.-W. Terr.* 81 Ra
Parker Dam, *Arizona* 84 De
Parkersburg, *W. Virginia* 83 Ff
Parkes, *New South Wales* 95 Jf
Park Falls, *Wisconsin* 83 Ac
Parma, *Italy* 54 Cc
Parnagua, *Brazil* 91 Jf
Parnaíba, *Brazil* 91 Jd
Parnaíba, R., *Brazil* 91 Jd
Pärnu & G., *Estonia* 47 Lg
Paro, *Bhutan* 71 Gb
Paron, *India* 68 Ed
Parowan, *Utah* 87 Gg
Parral, *Chile* 92 Be
Parral, *Mexico* 88 Cb
Parramatta, *New S. Wales* 95 Kf
Parras, *Mexico* 88 Db
Parry I., *Ontario* 83 Fc
Parry Is., *N.-W. Terr.* 80 Ja
Parry Sound, *Ontario* 83 Fc
Parsa, *India* 71 Ec
Parsnip R., *Brit. Columbia* 80 Ge
Parsons, *Kansas* 84 Gd
Parsons, *West Virginia* 86 Ac
Partabgarh, *India* 68 Dd
Partabgarh. See Pratapgarth
Partabpur, *India* 71 Dd
Parthenay, *France* 52 Cc
Partinico, *Sicily* 55 Df
Pas, The, *Manitoba* 80 Lf
Pasadena, *California* 87 Dh
Pasargadae, *Iran* 73 Fc
Pasawng, *Burma* 69 Je
Pas-de-Calais, dep., *France* 52 Ea
Paskuh, *Iran* 73 Hd
Pasley, C., *W. Australia* 94 Df
Pasni, *West Pakistan* 68 Bc
Paso de Indios, *Argentina* 92 Cf
Paso de los Libres, *Argent.* 92 Ec
Paso de los Toros, *Uruguay* 92 Ed
Paso Limay, *Argentina* 92 Bf
Paso Robles, *California* 87 Ch
Paspebiac, *Quebec* 82 Fb
Pasrur, *West Pakistan* 70 Dd
Passaic, *New Jersey* 86 Cb
Passamaquoddy B., *N.B.* 82 Ed
Passau, *Germany* 48 Ed
Passchendaele, *Belgium* 44 Bd
Passero C., *Sicily* 55 Eg
Passo Fundo, *Brazil* 92 Fc
Passos, *Brazil* 91 Hh
Pasto, *Colombia* 90 Bc
Pastrana, *Spain* 50 Db
Pasvik Elv, *Norway* 46 Nb
Pásztó, *Hungary* 49 He
Patan, *India* 68 Dd
Patan, *India* 68 De
Patan, *Nepal* 71 Eb
Pataudi, *India* 70 Ef
Pataz, *Peru* 90 Be
Patchogue, *New York* 86 Db
Patea, *New Zealand* 93 Ec
Paterno, *Sicily* 55 Eg
Paterson, *New Jersey* 86 Cb
Pathankot, *India* 70 Dd
Pathari, *India* 71 Bd
Pathfinder Res., *Wyoming* 84 Ec
Patiala, *India* 70 Ee
Patkai Hills, *Burma* 69 Jc
Pátmos, I., *Greece* 57 Ff
Patna, *India* 69 Fd
Patna, *India* 71 Ec
Patos, *Brazil* 91 Ke
Patos, L. dos, *Brazil* 92 Fd
Patos de Minas, *Brazil* 91 Hg
Patquia, *Argentina* 92 Cd
Pátrai, *Greece* 57 Ce
Pátrai, G. of, *Greece* 57 Ce
Patras. See Pátrai
Patrasayar, *India* 71 Fd
Patricio Lynch, I., *Chile* 92 Ag
Patrocinio, *Brazil* 91 Hg
Pattani, *Thailand* 67 Ce
Patten, *Maine* 82 Dd
Patti, *Sicily* 55 Ef
Patutahi, *New Zealand* 93 Fc
Patzcuaro, *Mexico* 88 Dd
Pau, *France* 53 Ce
Pau d'Arco, *Brazil* 91 He
Pau dos Ferros, *Brazil* 91 Ke
Paul, L., *N.-W. Territories* 80 Jc
Paulatuk, *N.-W. Terr.* 80 Gc
Paulistana, *Brazil* 91 Je
Paungde, *Burma* 69 Je
Pauni, *India* 68 Ed
Pautrask, *Sweden* 46 Gd
Pavia, *Italy* 54 Bc
Pāvilosta, *Latvia* 47 Jh
Pavlodar, *Kazakhstan* 58 Gc
Pavlograd, *Ukraine* 60 Jg
Pavlovka, *Russia* 61 Fe
Pavlovo, *Russia* 61 Fc
Pavlovsk, *Russia* 61 Ee
Pavlovski, *Russia* 60 Ld
Paw Paw, *Michigan* 83 Dd
Pawtucket, *Rhode Island* 86 Eb
Paxoi, I., *Greece* 57 Ce
Payerne, *Switzerland* 45 Bb
Payne L., *Quebec* 81 Se
Payne R., *Quebec* 81 Sd
Paynes Find, *W. Australia* 94 Ce
Paysandu, *Uruguay* 92 Ed
Paz, R., *Salvador* 89 Ad
Pazardzhik, *Bulgaria* 56 Ec
Peace R., *Brit. Columbia* 80 Ge
Peace River, *Alberta* 80 He
Peak, The, *England* 31 Fg
Peak Hill, *W. Australia* 94 Ce
Pearce Point, *N.-W. Terr.* 80 Gc
Pearl Harbour, *Hawaiian Is.* 99 Ke
Peary Ld., *Greenland* 39 Na
Pebane, *Moçambique* 77 Hh
Pebas, *Peru* 90 Cd
Pebble I., *Falkland Islands* 92 Eh
Pébo, *Cent. Afr. Rep.* 79 Jg
Peć, *Yugoslavia* 56 Cc
Pechenga, *Russia* 58 Cb
Pechora, R., *Russia* 58 Eb
Pecos, *Texas* 84 Fe
Pecos R., *Texas* 84 Fe
Pécs, *Hungary* 56 Ba
Pedernales, *Venezuela* 90 Eb
Pedhoulas, *Cyprus* 74 Ac
Pedregal, *Panama* 89 Ce
Pedreiras, *Brazil* 91 Jd
Pedro Afonso, *Brazil* 91 He
Pedro Azul, *Brazil* 91 Jg
Pedro Juan Caballero, *Paraguay* 92 Eb
Pedroll, *Brazil* 91 Jd
Pedro Luro, *Argentina* 92 De
Pedro Pt., *Ceylon* 68 Fg
Peebles & co., *Scotland* 30 Ee
Peekskill, *New York* 86 Db
Peel R., *Yukon* 80 Dc
Peenemünde, *Germany* 48 Ea
Peetri, *Estonia* 47 Lg
Pegasus B., *New Zealand* 93 De
Pegu, *Burma* 69 Je
Pegu Yoma, *Burma* 69 Je
Pehan, *China* 62 Ja
Pehchen, *China* 64 Kb
Pehowa, *India* 70 Ef
Pehuajó, *Argentina* 92 De
Pei-ching, See Peking
Peineta, Mt., *Chile* 92 Bh
Peiping. See Peking
Peipus, L. See Chudskoye, Oz.
Peixe, *Brazil* 91 Hf
Pekan, *West Malaysia* 67 Cf
Pekin, *Illinois* 83 Be
Peking, *China* 64 Hb
Pelagie Is., *Medit. Sea* 79 Ha
Pélagos, I., *Greece* 57 De
Peleduy, *Russia* 59 Lc
Pelèe I., *Ontario* 83 Ee
Peleng, I., *Indonesia* 63 Hl
Peljesac Pen., *Yugoslavia* 54 Fd
Pelkosenniemi, *Finland* 46 Mc
Pella, *Greece* 57 Cd
Pellegrini, *Argentina* 92 De
Pellworm I., *Germany* 40 Ca
Pelly Pt., *N.-W. Terr.* 80 Lb
Pelly Ra., *Yukon* 80 Ed
Pelly R., *Yukon* 80 Ed
Peloponnisos, *Greece* 57 Cf
Pelotas, *Brazil* 92 Fd
Pemba Is., *East Africa* 77 Hf
Pembroke, *Ontario* 83 Hc
Pembroke & co., *Wales* 31 Dj
Pembroke, C., *Falkland Is.* 92 Eh
Pembroke, C., *N.-W. Terr.* 81 Qd
Penafiel, *Portugal* 50 Ab
Peñafiel, *Spain* 50 Cb
Penalva, *Brazil* 91 Jd
Penambo Ra., *Sarawak* 63 Fk
Peña Negra, Sa. de, *Spain* 50 Ba
Penang, I., *W. Malaysia* 67 Ce
Penápolis, *Brazil* 91 Gh
Peñaranda de Bracamonte, *Spain* 50 Cb
Peñarroya, *Spain* 50 Cc
Penas, G. de, *Chile* 92 Bg
Pendembu, *Sierra Leone* 78 Cg
Pendleton, *Oregon* 87 Dc
Pend Oreille, L., *Idaho* 84 Cb
Penedo, *Brazil* 91 Kf
Penedono, *Portugal* 50 Bb
Penggaram, *W. Malaysia* 67 Cf
Penghu, Is., *China* 65 Jl
Penglai, *China* 64 Kd
Pengpu, *China* 62 Gd
Penhalonga, *Rhodesia* 75 Ec
Peniche, *Portugal* 50 Ac
Peñiscola, *Spain* 51 Fb
Pennfield, *New Brunswick* 82 Ed
Pennine, Alpi, *Switzerland* 45 Cb
Pennine Chain, *England* 31 Ff
Penns Grove, *New Jersey* 86 Cc
Pennsylvania, state, *U.S.A.* 85 Lc
Penn Yan, *New York* 86 Ba
Penobscot B., *Maine* 82 De
Penong, *S. Australia* 94 Ff
Penonome, *Panama* 89 Ce
Penrith, *England* 31 Ff
Pensacola, *Florida* 85 Je
Penticton, *Brit. Columbia* 80 Hg
Pentland Firth, *Scotland* 30 Eb
Pentland Hills, *Scotland* 30 Ee
Pentwater, *Michigan* 83 Cd
Penza, *Russia* 61 Gd
Penzance, *England* 31 Dk
Penzhino, *Russia* 59 Rb
Penzhinskaya Guba, *Russia* 59 Rb
Peoria, *Illinois* 83 Be
Peperga, *Netherlands* 44 Eb
Pepinster, *Belgium* 44 Dd
Peqin, *Albania* 56 Bd
Peralta, *Spain* 51 Ea
Perce, *Quebec* 82 Fb
Perdido, Mte., *Spain* 51 Fa
Pereira, *Colombia* 90 Bc
Perelló, *Spain* 51 Fb
Perez, *Chile* 92 Cc
Pergamino, *Argentina* 92 Dd
Perho, *Finland* 46 Le
Peribonca R., *Quebec* 82 Ca
Perico, *Argentina* 92 Cb
Perigueux, *France* 53 Dd
Perija, Sa. de, *Venezuela* 90 Ca
Perim I., *Red Sea* 72 Dg
Peristéra I., *Greece* 57 Ee
Perlas & Lag. de las, *Nic.* 89 Cd
Perlas, Arch. de las, *Pan.* 89 De
Perm, *Russia* 61 Nb
Pernambuco. See Recife
Péronne, *France* 52 Eb
Péronnes, *Belgium* 44 Cd
Perpignan, *France* 53 Ee
Perrot I., *Quebec* 83 Jc
Perry, *New York* 86 Aa
Perry I., *N.-W. Terr.* 80 Lc
Perry River, *N.-W. Terr.* 80 Lc
Persepolis, *Iran* 73 Fd
Persia. See Iran
Persian Gulf, *Arabia, etc.* 72 Ed
Perth, *New Brunswick* 82 Ec
Perth, *Ontario* 83 Hc
Perth, *W. Australia* 94 Cf
Perth & co., *Scotland* 30 Ed
Perth Amboy, *New Jersey* 86 Cb
Peru, *Indiana* 83 Ce
Peru, rep., *South America* 90 Cf
Perufune, *Japan* 66 Hc
Perugia, *Italy* 54 Dd
Peruibe, *Brazil* 91 Hh
Peruwelz, *Belgium* 44 Bd
Pervijze, *Belgium* 44 Ac
Pervomaysk, *Ukraine* 60 Gg
Perwez, *Belgium* 44 Cd
Pesaro, *Italy* 54 Dd
Pescadores, Is. See Penghu Is.
Pescara, *Italy* 54 Ed
Peschici, *Italy* 55 Fe
Peshawar, *West Pakistan* 70 Bc
Peshtigo R., *Wisconsin* 83 Bc
Pêso do Régua, *Portugal* 50 Bb
Pesqueira, *Brazil* 91 Ke
Pestravka, *Russia* 61 Jd
Petah Tiqva, *Israel* 74 Ce
Petalioí, G. of, *Greece* 57 Ef
Petalioí, I., *Greece* 57 Ef
Petaluma, *California* 87 Bf
Peterborough, *England* 31 Gh
Peterborough, *Ontario* 83 Gc
Peterborough, *S. Australia* 95 Gf
Peter I, I., *Antarctica* 100 Rc
Peterhead, *Scotland* 30 Fc
Petermann Fd., *Greenland* 39 Pa
Petermann Pk., *Greenland* 39 Nb
Petermann Ra., *W. Aust.* 94 Ee
Peter Pond L., *Sask.* 80 Ke
Petersburg, *Alaska* 85 Zm
Pevek, *Russia* 59 Sb
Petit Nord Pen., *Nfd.* 82 Ka
Petitot R., *Brit. Columbia* 80 Ge
Petitsikapau L., *Labrador* 81 Tf
Peto, *Mexico* 88 Gc
Petone, *New Zealand* 93 Ed
Petorca, *Chile* 92 Bd
Petoskey, *Michigan* 83 Dc
Petra, *Jordan* 74 Dg
Petra Velikogo Zaliv, *Russia* 59 Nd
Petrich, *Bulgaria* 56 Dd
Petrinja, *Yugoslavia* 54 Fc
Petriu. See Chachwengsao
Petrodvorets, *Russia* 60 Fb
Petrolandia, *Brazil* 91 Ke
Petrolia, *Ontario* 33 Ed
Petrolina, *Brazil* 91 Je
Petropavlovsk, *Kazakhstan* 58 Fc
Petropavlovsk, *Russia* 59 Qc
Petropolis, *Brazil* 91 Jh
Petrovac, *Yugoslavia* 56 Cb
Petrovsk, *Russia* 61 Nd
Petrovsk, *Russia* 59 Kc
Petrovsk, *Russia* 61 Gd
Petrozavodsk, *Russia* 58 Cb
Petsamo. See Pechenga
Petersburg, *Virginia* 85 Ld
Pézenas, *France* 53 Ee
Pforzheim, *Germany* 48 Cd
Phagwara, *India* 70 De
Phalodi, *India* 68 Dc
Phanom Dang Raek, *Thailand* 67 Cd
Phan Rang, *South Vietnam* 67 Dd
Phan-Thiet & B. of, *S. Viet.* 67 Dd
Phaphund, *India* 71 Bb
Phatthalung, *Thailand* 67 Be
Phet Buri, *Thailand* 67 Bd
Philadelphia, *Pennsylvania* 83 Je
Philippeville, *Belgium* 44 Cd
Philippeville, *Algeria.* See Skikda
Philippi, *West Virginia* 83 Ff
Philippi, L., *Queensland* 95 Gd
Philippines, *East Indies* 63 Hh
Philippopolis. See Plovdiv
Phillaur, *India* 70 De
Phillip Edward I., *Ontario* 83 Fc
Phillips, *Maine* 82 Cd
Phillips, *Wisconsin* 83 Ac
Phillipsburg, *New Jersey* 86 Cb
Philomena, *Alberta* 80 Je
Phitsanulok Muang, *Thailand* 67 Cc
Phnom-Penh, *Cambodia* 67 Cd
Phoenix, *Arizona* 84 De
Phoenix I., *Phoenix Is.* 98 Hh
Phoenix Is., *Pacific Ocean* 98 Hh
Phoenixville, *Pennsylvania* 86 Cb
Pho-mo-chang-thang Tso, *Tibet* 69 Hc
Phou San, Mt., *Laos* 67 Cc
Phu-dien, *North Vietnam* 67 Dc
Phuket, *Thailand* 63 Cj
Phulji, *West Pakistan* 68 Cc
Phulpur, *India* 71 Dc
Phu Qui, *North Vietnam* 67 Dc
Phu-Quoc, I., *South Vietnam* 67 Cd
Piacenza, *Italy* 54 Bc
Pianosa, I., *Italy* 54 Cd
Pias, *Portugal* 50 Bc
Piatra Neamt, *Rumania* 56 Fa
Piazza Armerina, *Sicily* 55 Eg
Piazzi, I., *Chile* 92 Bh
Pibor Post, *Sudan* 79 Mg
Pichanal, *Argentina* 92 Db
Picher, *Oklahoma* 85 Hd
Pichilemu, *Chile* 92 Bd
Pickering, *England* 31 Gf
Picos. See Colinas
Picton, *New South Wales* 95 Kf
Picton, *New Zealand* 93 Dd
Picton, *Ontario* 83 Hd
Pictou, *Nova Scotia* 82 Gd
Pictou I., *Nova Scotia* 82 Gd
Picun Leufu, *Argentina* 92 Ce
Pidark, *West Pakistan* 68 Bc
Piedad, La, *Mexico* 88 Dc
Piedmont, *Quebec* 82 Ad
Piedrahita, *Spain* 50 Cb
Piedras Negras, *Mexico* 88 Db
Piedra Sola, *Uruguay* 92 Ed
Pieksämäki, *Finland* 46 Me
Pielinen, *Finland* 46 Ne
Piemonte, region, *Italy* 54 Ac
Pierre, *South Dakota* 84 Fc
Pierreville, *Quebec* 82 Bc
Pietarsaari, *Finland* 46 Ke
Pietermaritzburg, *Natal* 75 Ee
Pietersburg, *Transvaal* 75 Dd
Pigue, *Argentina* 92 De
Pihtipudas, *Finland* 46 Le
Pikes Pk., *Colorado* 84 Ed
Pila, *Argentina* 92 Ee
Piła, *Poland* 49 Gb
Pilao Arcado, *Brazil* 91 Jf
Pilar, *Argentina* 92 Dd
Pilar, *Paraguay* 92 Ec
Pilar, C., *Chile* 92 Bh
Pilcaniyeu, *Argentina* 92 Bf
Pilibhit, *India* 71 Ba
Pílos, *Greece* 57 Cf
Pilsen. See Plzeň
Piltene, *Latvia* 47 Jh
Pi Mai, *Thailand* 67 Cc
Pimentel, *Peru* 90 Be
Pina, *Spain* 51 Eb
Pinaki I., *Tuamotu Arch.* 99 Mj
Pinarbasi, *Turkey* 72 Cb
Pinar del Rio, *Cuba* 89 Cb
Pinawa *Manitoba* 80 Mf
Pind Dadan Khan, *West Pakistan* 70 Cd
Pindhos, Mts., *Greece* 57 Ce
Pindi Gheb, *West Pakistan* 70 Cd
Pine Bluff, *Arkansas* 85 He
Pine Creek, *N. Territories, Australia* 94 Fb
Pine Point, *N.-W. Terr.* 80 Jd
Pinetown, *Natal* 75 Ee
Ping-chüan-chow, *China* 64 Jb
Pingelap, I., *Caroline Is.* 98 Fg
Pingelly, *W. Australia* 94 Cf
Pingkiang, *China* 65 Fh
Pingliang, *China* 64 Ce
Pinglo, *China* 65 Ek
Pingrup, *W. Australia* 94 Cf
Ping-ting-chow, *China* 64 Fd
Pingwu, *China* 64 Bf
Pingyang. See Linfen
Pingyüan, *China* 64 Hd
Pinhel, *Portugal* 50 Bb
Pini, I., *Indonesia* 63 Ck
Pinjarra, *W. Australia* 94 Bf
Pinkiang, *China* 62 Ja
Pinnaroo, *S. Australia* 95 Hg
Pinos, *Mexico* 88 Dc
Pinos, I. de, *Cuba* 89 Cb
Pinos, Mt., *California* 87 Dh
Pinrang, *Celebes* 63 Gl
Pinsk, *Belorussia* 60 Ee
Pintados, *Chile* 92 Cb
Pinto, *Argentina* 92 Dc
Pioneer, Os., *Russia* 59 Ja
Piotrkow, *Poland* 49 Hc
Pipar, *India* 68 Dc
Pipestone, *Minnesota* 84 Gc
Pipinas, *Argentina* 92 Ee
Pipmuacan L., *Quebec* 82 Cb
Pippli, *India* 69 Gd
Piqua, *Ohio* 83 De
Piracuruca, *Brazil* 91 Jd
Piraeus. See Piraievs
Piraievs, *Greece* 57 Df
Piramide, Mt., *Chile* 92 Bg
Piranhaquara, *Brazil* 91 Gd
Piranhas, *Brazil* 91 Ke
Pirapora, *Brazil* 91 Jg
Piratini, *Brazil* 92 Fd
Piray, *Argentina* 92 Fc
Pirgos, *Greece* 57 Df
Pirgos, *Greece* 57 Cf
Pirgos, *Crete* 57 Eg
Pirin Planina, *Bulgaria* 56 Dd
Piripiri, *Brazil* 91 Jd
Piritu, *Venezuela* 90 Ea
Pirmasens, *Germany* 48 Bd
Pirna, *Germany* 48 Ec
Pirot, *Yugoslavia* 56 Dc
Pir Panjal Ra., *Kashmir* 70 Dd
Pisa, *Italy* 54 Cd
Pisagua, *Chile* 92 Ba
Pisco, *Peru* 90 Bf
Pisek, *Czechoslovakia* 48 Fd
Pishin, *West Pakistan* 68 Cb
Pishin, *Iran* 73 Hd
Pisticci, *Italy* 55 Fe
Pitangui, *Brazil* 91 Jg
Pitcairn I., *Pacific Ocean* 99 Mk
Pite Älv, *Sweden* 46 Hd
Piteå, *Sweden* 46 Jd
Piterka, *Russia* 61 He
Piteşti, *Rumania* 56 Eb
Pithiviers, *France* 52 Eb
Pithoria, *India* 71 Bc
Pitlochry, *Scotland* 30 Ed
Pitt, Mt., *Oregon* 87 Bd
Pitt R., *California* 87 Ce
Pittsburg, *Kansas* 85 Hd
Pittsburgh, *Pennsylvania* 83 Ge
Pittsfield, *Maine* 82 Dd
Pittsfield, *Massachusetts* 83 Kd
Pittston, *Pennsylvania* 86 Cb
Piua-Petri, *Rumania* 56 Fb
Piura, *Peru* 90 Ae
Piza, *Latvia* 47 Jh
Piz Sardona, *Switzerland* 45 Eb
Placentia B., *Newfoundland* 82 Lc
Placer Guadalupe, *Mexico* 88 Cb
Plainfield, *New Jersey* 83 Je
Plainwell, *Michigan* 83 Dd
Pláka B., *Crete* 57 Eg
Plakoti C., *Cyprus* 74 Cb
Plana, *Czechoslovakia* 48 Ed
Planaltina, *Brazil* 91 Hg
Planina, *Yugoslavia* 54 Ec
Plasencia, *Spain* 50 Bb
Plaški, *Yugoslavia* 54 Ec
Plassen, *Norway* 47 Ef
Plaster Rock, *N. Brunswick* 82 Ec
Plastun, *Russia* 59 Nd
Plata, R. de la, *Argentina* 92 Ed
Platamón, *Greece* 57 Dd
Platí, *Greece* 57 Dd
Platres, *Cyprus* 74 Ac
Platt Nat. Park, *Oklahoma* 84 Ge
Platte R., N. & S., *Nebraska* 84 Fc
Plattsburg, *New York* 83 Kc
Plauen, *Germany* 48 Ec
Plav, *Yugoslavia* 56 Bc
Plavnica, *Yugoslavia* 56 Bc
Playas, *Ecuador* 90 Ad
Playas L., *New Mexico* 84 Ee
Plaza Huincul, *Argentina* 92 Ce
Pleasant B., *Maine* 82 Ed
Pleasantville, *New Jersey* 86 Cc
Pleiku, *South Vietnam* 63 Eh
Plenty, B. of, *New Zealand* 93 Fb
Plessisville, *Quebec* 83 Lb
Plettenberg B., *Cape Prov.* 75 Cf
Pleven, *Bulgaria* 56 Ec
Pljevlja, *Yugoslavia* 56 Bc
Płock, *Poland* 49 Hb
Ploeşti, *Rumania* 56 Fb
Plomarion, *Greece* 57 Fe
Plomosa Mts., *Arizona* 87 Gj
Plon, *Germany* 48 Da
Plonge, Lac la, *Saskatchewan* 80 Ke
Płońsk, *Poland* 49 Jb
Plovdiv, *Bulgaria* 56 Ec
Plumtree, *Rhodesia* 75 Dd
Plymouth, *Indiana* 83 Ce
Plymouth, *Massachusetts* 83 Le
Plymouth, *New Hampshire* 83 Ld
Plymouth, *Pennsylvania* 86 Cb
Plymouth *Wisconsin* 83 Bd
Plymouth & Sd., *England* 31 Ek
Plynlimmon, *Wales* 31 Eh
Plzeň, *Czechoslovakia* 48 Ed
Poai, *China* 64 Fe
Pobedy Peak, *Kirgizia* 58 Hd
Pobla de Segur, *Spain* 51 Fa
Pocatello, *Idaho* 87 Gd
Pochinki, *Russia* 61 Gc
Pochutla, *Mexico* 88 Ed
Podkagernaya, *Russia* 59 Rb
Podkamennaya Tunguska, *Russia* 58 Hb
Podlubovo, *Russia* 61 Mc
Podolsk, *Russia* 60 Kd
Pogamasing, *Ontario* 83 Fb
Pohai, G. of, *China* 64 Jc
Pohai, Str. of, *China* 64 Kc
Point L., *N.-W. Territories* 80 Jc
Point du Chene, *N.B.* 82 Fc
Pointe à Pitreê, *Leeward Is.* 89 Gc
Poitiers, *France* 52 Dc
Poitoumarche, prov., *Fr.* 52 Cc
Poix, *Belgium* 44 Dd
Poix, *France* 52 Db
Pokaakku, I., *Pacific Ocean* 98 Ff
Pokemouche, *N. Brunswick* 82 Fc
Pokhara, *Nepal* 71 Da
Pokka, *Finland* 46 Lb
Pokrovsk, *Russia* 61 Fd
Pokrovsk, *Russia* 61 Dg
Pokrovsk, *Russia* 61 He
Pokrovskoe, *Russia* 59 Mb
Pola. See Pula
Pola de Laviana, *Spain* 50 Ca
Poland, *Central Europe* 42 Mf
Polesk, *Russia* 47 Jj
Polevskoi, *Russia* 61 Qb
Polgahawela, *Ceylon* 68 Fg
Polgar, *Hungary* 49 Je
Poli, *Cameroon* 79 Hg
Poliaigos, I., *Greece* 57 Ef
Policastro, G. di, *Italy* 55 Ef
Poligny, *France* 52 Fc
Polillo Is., *Philippines* 63 Hh
Pólinos. See Políaigos, I.
Polis, *Cyprus* 74 Ab
Pollensa, *Balearic Islands* 51 Gc
Polotsk, *Belorussia* 60 Fd
Polson, *Montana* 87 Fb
Poltava, *Ukraine* 60 Jg
Põltsamaa, *Estonia* 47 Mg
Poluostrov Buzachi, *Kazakh.* 58 Ed
Põlva, *Estonia* 47 Mg
Polynesia, *Pacific Ocean* 98 Jk
Poman, *Argentina* 92 Cc
Pombal, *Brazil* 91 Ke
Pombal, *Portugal* 50 Ac
Pombetsu, *Japan* 66 Hc
Pomene, *Moçambique* 75 Fd
Pommersche B., *Germany* 48 Fa
Pomorie, *Bulgaria* 56 Fc
Pomos, Pt., *Cyprus* 74 Ab
Ponape, I., *Caroline Islands* 98 Eg
Ponca City, *Oklahoma* 84 Gd
Ponce, *Puerto Rico* 89 Fc
Pondicherry, *India* 68 Ef
Ponente, Riviera di, *Italy* 54 Ad
Ponferrada, *Spain* 50 Ba
Ponoy, *Russia* 58 Db
Pons, *France* 52 Cd
Pons, *Spain* 51 Fb
Ponta Grossa, *Brazil* 92 Fc
Pont-Audemer, *France* 52 Db
Pontchartrain, L., *Louisiana* 85 Hf
Pont Chateau, *France* 52 Bc
Pont d'Ain, *France* 52 Fc
Ponte, *Switzerland* 45 Eb
Ponte da Barca, *Portugal* 50 Ab
Ponte de Sôr, *Portugal* 50 Ac
Ponte Nova, *Brazil* 91 Jh
Pontevedra, *Spain* 50 Aa
Pontiac, *Illinois* 83 Be
Pontiac, *Michigan* 83 Ed
Pontianak, *Borneo* 63 El
Pontivy, *France* 52 Bb
Pontoise, *France* 52 Eb
Pontresina, *Switzerland* 45 Eb
Ponts,-les, *Switzerland* 45 Bb
Pontypool, *Britain* 31 Ej
Pontypool, *Ontario* 83 Gc
Pontypridd, *Wales* 31 Ej
Ponza, I., *Italy* 55 De
Poole, *England* 31 Fk
Poona, *India* 68 De
Pooncarie, *New South Wales* 95 Hf
Poopo, *Bolivia* 90 Dg
Poopo, L., *Bolivia* 90 Dg
Popa Mt., *Burma* 69 Jd
Popayan, *Colombia* 90 Bc
Poperinge, *Belgium* 44 Ad
Poplar Bluff, *Missouri* 85 Hd
Poplar, R., *Manitoba* 80 Mf
Popocatepetl, Mt., *Mexico* 88 Ed
Popokabaka, *Congo* 76 Df
Popovača, *Yugoslavia* 54 Fc
Poppel, *Belgium* 44 Dc
Porahat, *India* 71 Ed
Porbandar, *India* 68 Cd
Poreč, *Yugoslavia* 54 Dc
Pori, *Finland* 47 Jf
Porjus, *Sweden* 46 Hc
Porkhov, *Russia* 60 Fc
Porkkala, *Finland* 47 Lg
Porlamar, *Margarita I., Venezuela* 90 Ea
Pornic, *France* 52 Bc
Poronaysk, *Russia* 59 Pd
Póros I., *Greece* 57 Df
Porsanger Fd., *Norway* 46 La
Porsanger Halvöy, *Norway* 46 La
Porsgrund, *Norway* 47 Cg
Portachuelo, *Bolivia* 90 Eg
Port Adelaide, *S. Australia* 95 Gf
Portadown, *N. Ireland* 31 Cf
Portage, *Wisconsin* 83 Bd
Portage I., *New Brunswick* 82 Fc
Portage la Prairie, *Manitoba* 80 Mf
Portage River, *N. Brunswick* 82 Fc
Portageville, *New York* 86 Aa
Portal, N., *Saskatchewan* 80 Lg
Portalegre, *Portugal* 50 Bc
Port Alfred, *Quebec* 82 Cb
Port Antonio, *Jamaica* 89 Dc
Portarlington, *Eire* 31 Cg
Port Arthur. See Lushun
Port Arthur, *Ontario* 81 Pg
Port Arthur, *Texas* 85 Hf
Port Augusta, *S. Australia* 95 Gf
Port au Port B., *Nfd.* 82 Jb
Port au Prince, *Haiti* 89 Ec
Port aux Basques, *Nfd.* 82 Jc
Port Blair, *Andaman Islands* 69 Hf
Port Blandford, *Nfd.* 82 Lb
Port Borden, *Pr. Edward I.* 82 Gc
Port Chalmers, *N. Zealand* 93 Cf
Port Chester, *New York* 86 Db
Port Clinton, *Ohio* 83 Ee
Port Cornwallis, *Andaman I.* 69 Hf
Port Dalhousie, *Ontario* 83 Gd
Port Daniel, *Quebec* 82 Fb
Port Darwin, *Falkland Is.* 92 Eh
Port de Paix, *Haiti* 89 Eb
Port Dickson, *W. Malaysia* 67 Cf
Port Douglas, *Queensland* 95 Jc
Port Dover, *Ontario* 83 Fd
Portel, *Brazil* 91 Gd
Port Elgin *Ontario* 83 Fc
Port Elizabeth, *Cape Province, S. Africa* 75 Df
Port Ellen, *Scotland* 30 Ce
Port Etienne, *Mauritania* 78 Bd
Port Harcourt, *Nigeria* 78 Gh
Port Hedland, *W. Australia* 94 Cd
Port Hope, *Michigan* 83 Ed
Port Hope, *Ontario* 83 Gd
Port Huron, *Michigan* 83 Ed
Portimão, *Portugal* 50 Ad
Port Jackson, *New S. Wales* 95 Kf
Port Jervis, *New York* 86 Cb
Port Joli, *Nova Scotia* 82 Fe
Port Kembla, *New S. Wales* 95 Kf
Portland, *Maine* 82 Ce
Portland, *Oregon* 87 Bc
Portland, *Victoria, Australia* 95 Hg
Portland Bill, *England* 31 Fk
Portland Point, *Jamaica* 89 Dc
Portlaoise, *Eire* 33 Jg
Port Lincoln, *S. Australia* 95 Gf
Port Loko, *Sierra Leone* 78 Cg
Port Lyautey, *Morocco* 78 Db
Port M'Nicoll, *Ontario* 83 Gc
Port Macquarie, *N.S.W.* 95 Kf
Portmadoc, *Wales* 31 Eh
Port Medway, *Nova Scotia* 82 Fd
Port Menier, *Anticosti I., Quebec* 82 Fb
Port Moresby, *Papua* 95 Ja
Portneuf, *Quebec* 83 Kb
Port Nolloth, *Cape Prov.* 75 Be
Port Norris, *New Jersey* 83 Jf
Porto, *Portugal* 50 Ab
Porto Acre, *Brazil* 90 De
Porto Alegre, *Brazil* 92 Fd
Porto Alexandre, *Angola* 75 Ac
Porto Amelia, *Moçambique* 77 Jg
Portobelo, *Panama* 89 De
Porto Botte, *Sardinia* 55 Bf
Porto Camargo, *Brazil* 91 Gh
Porto d'Ascoli, *Italy* 54 Dd
Porto de Mos, *Brazil* 91 Gd
Porto de Moz, *Portugal* 50 Ac
Porto Empedocle, *Sicily* 55 Dg
Porto Esperanca, *Brazil* 91 Fg
Porto Espiridião, *Brazil* 90 Fg
Porto Franco, *Brazil* 91 He
Port of Spain, *Trinidad* 90 Ea
Porto Guaira, *Brazil* 91 Gh
Port Okha, *India* 68 Cd
Portola, *California* 87 Cf
Porto Lucena, *Brazil* 92 Fc
Porto Mendes, *Brazil* 91 Gh
Porto Nacional, *Brazil* 91 Hf
Porto Novo, *Dahomey* 78 Fg
Porto Novo, *India* 68 Ef
Port Ontario, *New York* 86 Ba
Porto Seguro, *Brazil* 91 Kg
Porto Torres, *Sardinia* 55 Be
Porto Vecchio, *Corsica* 55 Be
Porto Vêlho, *Brazil* 90 Ee
Portoviejo, *Ecuador* 90 Ad
Portpatrick, *Scotland* 31 Df
Port Pegasus, *New Zealand* 83 Ke
Port Phillip B., *Victoria* 95 Hg
Port Pirie, *S. Australia* 95 Gf
Port Pleasant, *New Jersey* 83 Je
Port Radium, *N.-W. Terr.* 80 Hc
Portree, *Sc

Port Taufiq, *Egypt* 79 Mc
Portugal, *W. Europe* 43 Ej
Portugalia, *Angola* 76 Ef
Portuguese Guinea, *North-West Africa* 78 Bf
Portumna, *Eire* 31 Bg
Port Vendres, *France* 53 Ee
Port Victoria, *Kenya* 77 Gd
Port Washington, *Wisconsin* 83 Cd
Port Weller, *Ontario* 83 Gd
Poru Tso, *Tibet* 69 Fb
Porvenir, *Chile* 92 Bh
Porvoo, *Finland* 47 Lf
Posadas, *Argentina* 92 Ec
Posadowsky, B., *Antarctica* 100 Gc
Poschiavo, *Switzerland* 45 Fb
Poseh, *China* 65 Cl
Posen. See Poznan
Poshan, *China* 64 Hd
Posht-e-Badam, *Iran* 73 Gc
Poso, *Celebes* 63 Hl
Poso Danau, *Celebes* 63 Gl
Possession I., *Antarctica* 100 Lb
Poste M. Cortier, *Algeria* 78 Fd
Poste Weygand, *Algeria* 78 Fd
Posušje, *Yugoslavia* 54 Fd
Potapovo, *Russia* 58 Hb
Potchefstroom, *Transvaal* 75 De
Potemkino, *Russia* 61 Ge
Potenza, *Italy* 55 Ee
Poti, *Georgia, U.S.S.R.* 58 Dd
Potiskum, *Nigeria* 79 Hf
Potomac R., *Maryland, etc.* 86 Ac
Potosi, *Bolivia* 90 Dg
Potrerillos, *Chile* 92 Cc
Potsdam, *Germany* 48 Eb
Pottstown, *Pennsylvania* 83 Je
Pottsville, *Pennsylvania* 83 He
Pouce Coupe B.*Columbia* 80 Ge
Poughkeepsie, *New York* 83 Ke
Poulo Condore, I. de 67 De
Pouso Alegre, *Brazil* 91 Ff
Pouso Alegre, *Brazil* 91 Hh
Povenets, *Russia* 58 Cb
Poverty B., *New Zealand* 93 Gc
Povoa de Varzim, *Portugal* 50 Ab
Povorino, *Russia* 61 Fe
Povungnituk & R., *Quebec* 81 Rd
Powassan, *Ontario* 83 Gb
Powder R., *Montana* 84 Eb
Powell Creek, *N.T., Aust.* 95 Fc
Powell River, B.*Columbia* 80 Gf
Poyang, *China* 65 Hh
Poyang Hu, *China* 65 Hh
Poza de la Sal, *Spain* 50 Da
Požarevac, *Yugoslavia* 56 Cb
Požega, *Yugoslavia* 56 Ab
Poznan, *Poland* 49 Gb
Pozo Almonte, *Chile* 92 Cb
Pozoblanco, *Spain* 50 Cc
Prachin Buri, *Thailand* 67 Cd
Prado, *Brazil* 91 Kg
Praga, *Poland* 49 Jb
Prague. See Praha
Praha, *Czechoslovakia* 48 Fc
Prai, *W. Malaysia* 67 Ce
Praid, *Rumania* 56 Ea
Prainha, *Brazil* 90 Ee
Prainha, *Brazil* 91 Gd
Prairie, *Queensland* 95 Hd
Prairie du Chien, *Wisconsin* 85 Hc
Prairie du Sac, *Wisconsin* 83 Bd
Prang, *Ghana* 78 Eg
Pratapgarth, *India* 71 Cc
Prato, *Italy* 54 Cd
Pravia, *Spain* 50 Ba
Pregolya, R., *Russia* 47 Jj
Prenay, *Lithuania* 47 Kj
Prentice, *Wisconsin* 83 Ac
Přerov, *Czechoslovakia* 49 Gd
Prescott, *Arizona* 87 Gh
Prescott, *Ontario* 83 Jc
President R. Sáenz-Pena, *Argentina* 92 Dc
Presidente Hermes, *Brazil* 90 Ef
Prešov, *Czechoslovakia* 49 Jd
Prespansko, Jezero, *Albania, etc.* 57 Cd
Presque Isle, *Maine* 82 Dc
Pressburg. See Bratislava
Přeštice, *Czechoslovakia* 48 Ed
Preston, *England* 31 Fg
Prestwick, *Scotland* 30 De
Pretoria, *Transvaal* 75 De
Pretty Boy L., *Maryland* 86 Bc
Préveza, *Greece* 57 Ce
Pribilof Is., *Bering Sea* 85 Vm
Příbram, *Czechoslovakia* 48 Fd
Priego, *Spain* 50 Cd
Prieska, *Cape Province* 75 Ce
Prignitz, *Germany* 48 Db
Prijedor, *Yugoslavia* 54 Fc
Prijepolje, *Yugoslavia* 56 Bc
Prilep, *Yugoslavia* 56 Cd
Priluki, *Ukraine* 60 Hf
Prim Pt., *Prince Edward I.* 82 Gc
Primrose L., *Saskatchewan* 80 Kf
Prince Albert, *Cape Prov.* 75 Cf
Prince Albert, *Saskatchewan* 80 Kf
Prince Albert Mts., *Antarc.* 100 Lb
Prince Albert Park, *Sask.* 80 Kf
Prince Albert Pen., *N.-W.T.* 80 Hb
Prince Albert Sd., *N.-W.T.* 80 Hb
Prince Alfred, C., *N.-W.T.* 80 Fb
Prince Charles I., *N.-W. T.* 81 Rc
Prince Edward I., *Canada* 81 Ug
Prince Edward Is., *Indian Oc.* 96 Bj
Prince Edward Pen., *Ont.* 83 Hd
Prince George, *B.C.* 80 Gf
Prince Harald Ld., *Antarc.* 100 Db
Prince of Wales, C., *Alaska* 85 Wl
Prince of Wales I., *Alaska* 80 Ee
Prince of Wales I., *N.-W.T.* 80 Lb
Prince of Wales I., *Qnsld.* 95 Hb
Prince of Wales Strait, *N.-W. Territories* 80 Hb
Prince Patrick I., *N.-W. T.* 80 Ga
Prince Regent Inl., *N.-W.T.* 81 Pb
Prince Rupert, *B.C.* 80 Ef
Princes Lake, *Ontario* 83 Gc
Princess Astrid Ld., *Antarc.* 100 Cb
Princess Charlotte B., *Queensland* 95 Hb
Princess Elizabeth Ld., *Antarctica* 100 Fb
Princess Ragnhild Ld., *Antarctica* 100 Db
Princess Royal I., *B.C.* 80 Ff
Princeton, *Illinois* 83 Be
Princeton, *Kentucky* 85 Jd
Princeton, *Maine* 82 Ed
Princeton, *Wisconsin* 83 Bd
Princetown, *Pr. Edward I.* 82 Ed
Prince William Sd., *Alaska* 85 Yl
Príncipe I., *G. of Guinea* 76 Bd
Principe da Beira, *Brazil* 90 Ef
Pringles, *Argentina* 92 Df
Prins Karls Forland, *Arctic Ocean* 58 Aa
Prinzapolca, *Nicaragua* 89 Cd
Pripet. See Pripyat.
Pripyat Marshes, *Belorussia* 60 Ee
Pripyat R., *Belorussia* 60 Ff
Pristina, *Yugoslavia* 56 Cc
Pritzwalk, *Germany* 48 Eb
Privolnoye, *Russia* 61 He
Prizren, *Yugoslavia* 56 Cc
Prizzi, *Sicily* 55 Dg
Progreso, *Mexico* 88 Gc
Prokop'yevsk, *Russia* 58 Hc
Prokuplje, *Yugoslavia* 56 Cc
Prome, *Burma* 69 Je
Propria, *Brazil* 91 Kf
Prosperine, *Queensland* 95 Jd
Provence, prov., *France* 53 Fe
Providence, *N.-W. Terr.* 80 Hd
Providence, *Rhode Island* 83 Le
Providence, C., *N.-W. Terr.* 80 Jb
Providence I., *Indian Ocean* 96 De
Provins, *France* 52 Eb
Provo, *Utah* 84 Dc
Prozor, *Yugoslavia* 54 Fd
Prudentopolis, *Brazil* 92 Fc
Prudhoe Ld., *Greenland* 39 Qb
Prüm, *Germany* 48 Bc
Prut, R., *Russia, etc.* 60 Fj
Przasnysz, *Poland* 49 Jb
Przemyśl, *Poland* 49 Kd
Przhevalsk, *Kirgizia* 58 Gd
Psará, I., *Greece* 57 Ee
Pskov, *Russia* 60 Fc
Pskovskoye Oz., *Russia* 60 Fb
Ptuj, *Yugoslavia* 54 Eb
Puan, *Argentina* 92 De
Pucacuro, *Peru* 90 Bd
Pucallpa, *Peru* 90 Ce
Puchezh, *Russia* 61 Fb
Puchow. See Yungtsi
Puck, *Poland* 49 Ha
Pudasjärvi, *Finland* 46 Md
Pudukkottai, *India* 68 Ef
Puebla & state, *Mexico* 88 Ed
Puebla Bonito, *New Mexico* 84 Ed
Puebla de Alcocer, *Spain* 50 Cc
Puebla de Sanabria, *Spain* 50 Ba
Puebla de Trives, *Spain* 50 Ba
Pueblo, *Colorado* 84 Fd
Pueblo Hundido, *Chile* 92 Cc
Puelches, *Argentina* 92 Ce
Puenteareas, *Spain* 50 Aa
Puente Caldelas, *Spain* 50 Aa
Puentedeume, *Spain* 50 Aa
Puerh, *China* 62 Df
Puerhken, *Mongolia* 59 Jd
Puerto Aisen, *Chile* 92 Bg
Puerto Armuelles, *Panama* 90 Ab
Puerto Asis, *Colombia* 90 Bc
Puerto Ayacucho, *Venezuela* 90 Db
Puerto Barrios, *Guatemala* 88 Gd
Puerto Berrio, *Colombia* 90 Cb
Puerto Cabello, *Venezuela* 90 Da
Puerto Cabezas, *Nicaragua* 89 Cd
Puerto Carreno, *Colombia* 90 Db
Puerto Casado, *Paraguay* 92 Eb
Puerto Chicama, *Peru* 90 Be
Puerto Colombia, *Colombia* 90 Ca
Puerto Córdoba, *Colombia* 90 Dd
Puerto Cortes, *Honduras* 89 Bc
Puerto Coyle, *Argentina* 92 Ch
Puerto Cumarebo, *Venez.* 90 Da
Puerto de Carrizal, *Chile* 92 Bc
Puerto de Chanaral, *Chile* 92 Bc
Puerto de Santa Maria, *Sp.* 50 Bd
Puerto Deseado, *Argentina* 92 Cg
Puerto Gaiba. See Puerto Quijarro
Puerto Grether, *Bolivia* 90 Eg
Puerto Harberton, *Argent.* 92 Ch
Puerto Heath, *Bolivia* 90 Df
Puerto La Cruz, *Venezuela* 90 Ea
Puerto Leguizamo, *Colombia* 90 Cd
Puerto Libertad, *Salvador* 89 Bd
Puertollano, *Spain* 50 Cc
Puerto Lobos, *Argentina* 92 Cf
Puerto Madryn, *Argentina* 92 Cf
Puerto Maldonado, *Peru* 90 Df
Puerto Montt, *Chile* 92 Bf
Puerto Morelos, *Mexico* 88 Gc
Puerto Natales, *Chile* 92 Ch
Puerto Nuevo, *Colombia* 90 Db
Puerto Pirámides, *Argentina* 92 Df
Puerto Plata, *Rep. Dom.* 89 Ec
Puerto Princesa, *Philippines* 63 Gj
Puerto Quellen, *Chile* 92 Bf
Puerto Quijarro, *Bolivia* 90 Fg
Puerto Rico, I., *W. Indies* 89 Fc
Puerto Suarez, *Bolivia* 91 Fg
Puerto Sucre, *Bolivia* 90 Df
Puerto Varas, *Chile* 92 Bf
Puerto Victoria, *Peru* 90 Ce
Puerto Villamizar, *Colombia* 90 Cb
Puerto Visser, *Argentina* 92 Cg
Puerto Wilches, *Colombia* 90 Cb
Pueyrredón, L., *Argentina* 92 Bg
Pugachev, *Russia* 61 Jd
Pugal, *India* 70 Cf
Puget, *France* 53 Ge
Puget Sd., *Washington* 84 Bb
Puglia, dep., *Italy* 55 Fe
Pühalepa, *Estonia* 47 Kg
Puigcerdá, *Spain* 51 Fa
Puimro, *Brazil* 91 Gc
Pukaki, L., *New Zealand* 93 Cf
Pukapuka, I., *Pacific Ocean* 98 Jj
Pukapuka I., *Tuamotu Arch.* 99 Mj
Pukchong, *Korea* 62 Jb
Pukekohe, *New Zealand* 93 Eb
Pukow, *China* 64 Jf
Pula, *Yugoslavia* 54 Dc
Pulacayo, *Bolivia* 92 Cb
Pulap, I., *Caroline Islands* 98 Dg
Pulaski, *New York* 83 Hd
Pulicat I., *India* 68 Ff
Pulkkila, *Finland* 46 Ld
Pullen I., *N.-W. Terr.* 80 Ec
Pultneyville, *New York* 86 Ba
Puma, *Tanzania* 77 Ge
Puna, I., *Ecuador* 90 Ad
Punakha, *Bhutan* 71 Gb
Punch, *Kashmir* 70 Dd
Pundri, *India* 70 Ef
Punjab, *India* 70 De
Puno, *Peru* 90 Cg
Punta Alta, *Argentina* 92 De
Punta Arenas, *Chile* 92 Bh
Punta Colorado, *Chile* 92 Bc
Punta del Faro, *Sicily* 55 Ef
Punta de Pedras, *Brazil* 91 Hd
Punta Gorda, *Brit. Hond.* 89 Bc
Puntarenas, *Costa Rica* 89 Ce
Punta Salinas, *Venezuela* 90 Ca
Punxsutawney, *Pennsylvania* 86 Ab
Punyu. See Canton, *China*
Puolanka, *Finland* 46 Md
Puquio, *Peru* 90 Cf
Purang Chaka, *Tibet* 69 Fb
Puri, *India* 69 Ge
Purificacion, *Colombia* 90 Cc
Purna, *India* 68 Ee
Purnea, *India* 71 Fc
Pursat, *Cambodia* 67 Cd
Purulia, *India* 71 Fd
Purus, R., *Brazil, etc.* 90 De
Purwa, *India* 71 Cb
Pusan, *Korea* 62 Jc
Pushchino, *Russia* 59 Kc
Pusht-e-Kuh, Mts., *Iran* 72 Ec
Putao. See Fort Hertz
Putaruru, *New Zealand* 93 Ec
Putbus, *Germany* 48 Ea
Putien, *China* 65 Jk
Putignano, *Italy* 55 Fe
Putnam, *Connecticut* 86 Eb
Putnok, *Hungary* 49 Jd
Putorana, Gory, *Russia* 59 Jb
Puttalam, *Ceylon* 68 Eg
Putte, *Belgium* 44 Cc
Putte, *Belgium* 44 Cc
Putten, *Netherlands* 44 Db
Putumayo, R., *Colombia, etc.* 90 Cd
Putussibau, *Borneo* 63 Fk
Puula Vesi, *Finland* 47 Mf
Puurs, *Belgium* 44 Cc
Puy, le, *France* 53 Ed
Puyallup, *Washington* 87 Bb
Puy-de-Dôme, dep., *France* 52 Ed
Pyapon, *Burma* 69 Je
Pyatistennoye, *Russia* 59 Rb
Pyhä Järvi, *Finland* 46 Le
Pyhä Järvi, *Finland* 47 Kf
Pyhäntä, *Finland* 46 Md
Pyinmana, *Burma* 69 Je
Pyŏngyang, *Korea* 62 Jc
Pyramid L., *Nevada* 87 De
Pyramid Pk., *California* 87 Cf
Pyrénées, Mts., *France-Sp.* 51 Ea
Pyrénées-Orientales, dep., *France* 53 Ee
Pyrzyce, *Poland* 48 Fb
Pyu, *Burma* 69 Je
Pyzdry, *Poland* 49 Gb
Qabatiya, *Israel* 74 De
Qafar, *Arabia* 72 Dd
Qaiya, *Arabia* 72 Ee
Qala Bist., *Afghanistan* 73 H
Qala Mashiz, *Iran* 73 Gd
Qal'at al Akhdhar, *Arabia* 72 Cd
Qal'at Dar al Hamra, *Arabia* 72 Cd
Qal'at ed Dab'a, *Jordan* 74 Ef
Qal'at el Marqah, *Syria* 74 Db
Qal'at el Mudiq. See Ma'arret en Numan
Qal'at Uneiza, *Jordan* 74 Dg
Qalqiliya, *Jordan* 74 Ce
Qamr B., *S. Yemen* 73 Ff
Qara, *Egypt* 79 Lc
Qardaha, *Syria* 74 Eb
Qartaba, *Lebanon* 74 Dc
Qasab, *Trucial States* 73 Gd
Qasim, *Arabia* 72 Dd
Qasr Amij, *Iraq* 72 Dc
Qasr el Azraq, *Jordan* 74 Ef
Qasr e Qand, *Iran* 73 Hd
Qasr Haiyaniya, *Arabia* 72 Dd
Qasr ibn Aliya, *Arabia* 72 Dd
Qasr-i-Shirin, *Iran* 72 Ec
Qa'taba, *Yemen* 72 Dg
Qatana, *Syria* 74 Ed
Qatar, *Persian Gulf* 73 Fd
Qatif, *Arabia* 72 Ed
Qayen, *Iran* 73 Gc
Qazvin, *Iran* 73 Fb
Qena, *Egypt* 79 Mc
Qeshm I., *Iran* 73 Gd
Qeys I., *Iran* 73 Fd
Qishn, *S. Yemen* 73 Ff
Qishran, I., *Arabia* 72 Ce
Qohoud, *Iran* 73 Fc
Qom, *Iran* 73 Fc
Qotur, *Iran* 72 Db
Qoz Bal 'Air, *Arabia* 72 Df
Quabbin Res., *Massachusetts* 86 Da
Quakenbrück, *Germany* 48 Bb
Quang Tri., *S. Vietnam* 63 Eg
Quarai, *Brazil* 92 Ed
Quatre Bras, *Belgium* 44 Cd
Qubeiyat, *Lebanon* 74 Ec
Quchan, *Iran* 73 Gb
Quebec, *Quebec* 82 Cc
Quebec, prov., *Canada* 81 Sf
Queen Alexandra Ra., *Antarctica* 100 Ka
Queen Anne, *Maryland* 86 Cc
Queen Charlotte Bay, *Falkland Islands* 92 Dh
Queen Charlotte Is., *B.C.* 80 Ef
Queen Charlotte Sd., *B.C.* 80 Ff
Queen Charlotte Str., *B.C.* 80 Ff
Queen Elizabeth Is., *N.-W.T.* 80 Ka
Queen Mary Ld., *Antarctica* 100 Gc
Queen Maud G., *N.-W. T.* 80 Lc
Queen Maud Ld., *Antarc.* 100 Cb
Queen Maud Ra., *Antarc.* 100 Pa
Queen's Chan., *N. Terr.* 94 Eb
Queensland, state, *Australia* 95 Hd
Queenstown *Cape Province* 75 Df
Queenstown, *New Zealand* 93 Bf
Queenstown. See Cobh
Queenstown, *Tasmania* 95 Jh
Queimadas, *Brazil* 91 Kf
Quelimane, *Moçambique* 75 Fc
Quemu Quemú, *Argentina* 92 De
Quequen, *Argentina* 92 Ee
Queretaro, *Mexico* 88 Dc
Quesnel, *Brit. Columbia* 80 Gf
Quesnel L., *Brit. Columbia* 80 Gf
Quetta, *West Pakistan* 68 Cb
Quezaltenango, *Guatemala* 88 Fe
Quezon City, *Philippines* 63 Hh
Quibdo, *Colombia* 90 Bb
Quiberon de, B., *France* 52 Bc
Quievrain, *Belgium* 44 Bd
Quila, *Mexico* 88 Cc
Quilca, *Peru* 90 Cg
Quilino, *Argentina* 92 Dd
Quillabamba, *Peru* 90 Cf
Quillan, *France* 53 Ee
Quillota, *Chile* 92 Bd
Quilon, *India* 68 Eg
Quilpie, *Queensland* 95 He
Quimper, *France* 52 Ab
Quimperle, *France* 52 Bc
Quince Mil, *Peru* 90 Cf
Quincy, *Illinois* 85 Hd
Quincy, *Massachusetts* 83 Ld
Quines, *Argentina* 92 Cd
Quiney, *Michigan* 83 De
Quintana de la Serena, *Sp.* 50 Cc
Quintanar de la Orden, *Sp.* 50 Dc
Quintana Roo, state, *Mexico* 88 Gd
Quipapa, *Brazil* 91 Ke
Quiriquire, *Venezuela* 90 Ea
Quiroga, *Spain* 50 Ba
Quissanga, *Moçambique* 77 Jg
Quissico, *Moçambique* 75 Ed
Quitapa, *Angola* 76 Dg
Quito, *Ecuador* 90 Bd
Quixada, *Brazil* 91 Kd
Quixeramobim, *Brazil* 91 Ke
Qunsuliye, *Arabia* 72 De
Quorn, *S. Australia* 95 Gf
Quryat, *Muscat & Oman* 73 Ge
Qus, *Egypt* 79 Mc
Qusaiba, *Arabia* 72 Dd
Qusayar, *S. Yemen* 73 Fg
Quseir, *Egypt* 79 Mc
Qusuriya, *Arabia* 72 De
Quteifa, *Syria* 74 Ed
Quyon, *Quebec* 83 Hc
Raahe, *Finland* 46 Ld
Raasay & Sd of, *Scotland* 30 Cc
Rab, I., *Yugoslavia* 54 Ec
Raba, *Sumbawa I., Indon.* 63 Gm
Rabat, *Morocco* 78 Db
Rabat Kerim, *Iran* 73 Fb
Rabigh, *Arabia* 72 Ce
Rabkob. See Dharmjaygarh
Rabkor, *Russia* 60 Fe
Race, C., *Newfoundland* 82 Mc
Race, The, *Conn.-New York* 86 Db
Rach-Gia, *S. Vietnam* 67 Dd
Raciborz, *Poland* 49 Hc
Racine, *Wisconsin* 83 Cd
Rada, *Yemen* 72 Dg
Radak Chain, *Marshall Is.* 98 Gf
Rădăuti, *Rumania* 60 Dh
Radhanpur, *India* 68 Dd
Radhwa, Jebel, *Arabia* 72 Ce
Radnevo, *Bulgaria* 56 Ec
Radnor, co., *Wales* 31 Eh
Radom, *Poland* 49 Jc
Radomir, *Bulgaria* 56 Dc
Radomsko, *Poland* 49 Hc
Radstadt, *Austria* 48 Ee
Radviliskis, *Lithuania* 47 Kj
Radzyn, *Poland* 49 Kc
Rae, *N.-W. Territories* 80 Hd
Rae Isthmus, *N.-W. Terr.* 81 Pc
Rae R., *N.-W. Territories* 80 Hc
Rae Bareli, *India* 71 Cb
Raeside, L., *W. Australia* 94 De
Raetihi, *New Zealand* 93 Ec
Rafaela, *Argentina* 92 Dd
Rafah, *Egypt* 74 Cf
Rafsanjan, *Iran* 73 Gc
Raga, *Sudan* 79 Lg
Ragaz, Bad, *Switzerland* 45 Ea
Raghugarh, *India* 71 Ac
Raghunathpur, *India* 71 Fd
Raglan, *New Zealand* 93 Eb
Raglan Ra., *New Zealand* 93 De
Ragunda, *Sweden* 46 Ge
Ragusa. See Dubrovnik
Ragusa, *Sicily* 55 Eg
Rahaeng. See Tak
Raheita, *Eritrea* 77 Jb
Rahhyut, *Muscat & Oman* 73 Ff
Raiatea, I., *Society Islands* 99 Kj
Raichur, *India* 68 Ee
Raida, *S. Yemen* 72 Eg
Raiganj, *India* 71 Gc
Raikot, *India* 70 De
Raingarh, *India* 70 Ee
Rainier, Mt., *Washington* 87 Bb
Rainy L., *Ontario-Minn.* 81 Ng
Raipur, *India* 68 Fd
Raivavae, I., *Austral Is.* 99 Lk
Raiwind, *West Pakistan* 70 De
Raja, Mt., *Borneo* 63 Fl
Rajahmundry, *India* 68 Fe
Rajakhera, *India* 71 Bb
Rajang, R., *Sarawak* 63 Fk
Rajanpur, *West Pakistan* 70 Bf
Rajapalaiyam, *India* 68 Eg
Rajasthan, state, *India* 68 Dc
Rajgarh, *India* 70 Df
Rajkot, *India* 68 Dd
Rajmahal, *India* 71 Fc
Rajmahal Hills, *India* 71 Ec
Rajura, *India* 68 Ee
Rakahanga, I., *Pacific Oc.* 98 Jh
Rakaposhi, Mt., *Kashmir* 70 Db
Raka Tsangpo, R., *Tibet* 69 Gc
Rakvere, *Estonia* 47 Mg
Raleigh, *N. Carolina* 85 Ld
Raleigh B., *N. Carolina* 85 Le
Ralik Chain, *Marshall Is.* 98 Fg
Ram, *Jordan* 74 Dh
Rama, *Ethiopia* 77 Jb
Rama, *Israel* 74 De
Ramadi, *Iraq* 72 Dc
Ramah, *Labrador* 81 Ue
Ramallah, *Jordan* 74 Df
Ramallo, *Argentina* 92 Dd
Ramanthapuran, *India* 68 Eg
Rambouillet, *France* 52 Db
Rameswaram, *India* 68 Eg
Ramgarh, *India* 70 Df
Ramgarh, *India* 71 Cd
Ramgarh, *India* 71 Ed
Ram Hormuz, *Iran* 72 Ec
Ramkola, *India* 71 Dd
Ramla, *Israel* 74 Cf
Ramnagar, *India* 71 Cd
Ramnagar, *Kashmir* 70 Dd
Ramnagar, *West Pakistan* 70 Cd
Ramore, *Ontario* 83 Fa
Ramoutsa, *Botswana* 75 Dd
Rampart House, *Yukon* 80 Cc
Rampur, *India* 69 Fd
Rampur, *India* 70 Ee
Rampur, *India* 71 Ba
Rampur Boalia, *E. Pakistan* 71 Gc
Ramree, *Burma* 69 He
Ramscappelle, *Belgium* 44 Ac
Ramsele, *Sweden* 46 Ge
Ramsey, *Isle of Man* 31 Ef
Ramsey I., *Wales* 31 Dj
Ramsey, *Ontario* 83 Eb
Ramsgate, *England* 31 Hj
Ramsjö, *Sweden* 47 Fe
Ramtha, *Jordan* 74 Ee
Ramtok, *India* 68 Ed
Ran Fd., *Norway* 46 Ec
Ranaghat, *India* 71 Gd
Rancagua, *Chile* 92 Bd
Rance, *Belgium* 44 Cd
Ranchi, *India* 71 Ed
Randazzo, *Sicily* 55 Eg
Randers, *Denmark* 47 Dh
Randolph, *Vermont* 83 Kd
Random I., *Newfoundland* 82 Mb
Randsfjord, *Norway* 46 Df
Ranenburg, *Russia* 61 Ed
Ranfurly, *New Zealand* 93 Cf
Rangamati, *East Pakistan* 69 Hd
Rangeley, *Maine* 82 Cd
Rangeley Ls., *Maine* 82 Cd
Ranger, *Texas* 84 Ge
Rangiora, *New Zealand* 93 De
Rangitaiki, R., *New Zealand* 93 Fc
Rangitikei, R., *New Zealand* 93 Ed
Rangitoto Ra., *New Zealand* 93 Ec
Rangoon & R., *Burma* 69 Je
Rangpur, *East Pakistan* 71 Gc
Rania, *India* 70 Df
Ranibennur, *India* 68 Ef
Raniganj, *India* 71 Fc
Raniganj, *India* 71 Fd
Ranikhet, *India* 71 Ba
Rankin Inl., *N.-W. Terr.* 81 Nd
Rantauparapap, *Sumatra* 63 Ck
Rantekombola, Mt., *Celebes* 63 Gh
Rantsila, *Finland* 46 Ld
Ranua, *Finland* 46 Md
Rapa, I., *Austral Islands* 99 Lk
Rapadama, *Volta* 78 Ef
Rapid City, *S. Dakota* 84 Fc
Rapla, *Estonia* 47 Lg
Rapperswil, *Switzerland* 45 Da
Raqqa, *Syria* 72 Cb
Rarotonga, I., *Cook Island* 99 Kk
Ras al Had, *Muscat & Oman* 73 Ge
Ras al Khaymah, *Trucial States* 73 Gd
Ras Dashan, Mt., *Ethiopia* 77 Hb
Rashad, *Sudan* 79 Mf
Rashadiya, *Jordan* 74 Dg
Rasheiya, *Lebanon* 74 Dd
Rashid, *Egypt* 79 Mb
Rashm, *Iran* 73 Fb
Rasht, *Iran* 72 Eb
Raška, *Yugoslavia* 56 Cc
Rason, L., *W. Australia* 94 De
Rasova, *Rumania* 56 Fb
Rasskazovo, *Russia* 61 Ed
Ratangarh, *India* 70 Df
Rat Buri, *Thailand* 67 Bd
Rathlin I., *N. Ireland* 30 Ce
Ratibor. See Raciborz
Ratikon, Mts., *Switz.-Austria* 45 Ea
Ratnagiri, *India* 68 De
Raton, *New Mexico* 84 Fd
Rättvik, *Sweden* 47 Ff
Rauch, *Argentina* 92 Ee
Raudha, *Yemen* 72 Df
Raukumara Ra., *N. Zealand* 93 Fc
Rauma, *Finland* 47 Jf
Rautas, *Sweden* 46 Hb
Rautavaara, *Finland* 46 Ne
Rautio, *Finland* 46 Ld
Ravar, *Iran* 73 Gc
Ravenna, *Italy* 54 Dc
Ravi R., *West Pakistan* 70 De
Rawaidha, *Arabia* 72 De
Rawalpindi, *W. Pakistan* 70 Cd
Rawandiz, *Iraq* 72 Db
Rawatsar, *India* 70 Df
Rawene, *New Zealand* 93 Da
Rawlinna, *W. Australia* 94 Ef
Rawlins, *Wyoming* 84 Ec
Rawson, *Argentina* 92 Cf
Ray, C., *Newfoundland* 82 Jc
Rays Hill, *Pennsylvania* 86 Ac
Rayadrug, *India* 68 Ef
Raymond, *Alberta* 80 Jg
Rayon. See Cardenas
Rayon, *Mexico* 88 Bb
Razan, *Iran* 72 Eb
Razelm L., *Rumania* 56 Gb
Razgrad, *Bulgaria* 56 Fc
Razmak, *West Pakistan* 70 Ad
Ré, I. de, *France* 52 Cc
Read Island, *N.-W. Terr.* 80 Jc
Reading, *England* 31 Gj
Reading, *Pennsylvania* 83 Je
Real, Cord., *Bolivia* 90 Dg
Real, Cord., *Ecuador, etc.* 90 Bd
Real Castillo, *Mexico* 88 Aa
Realico, *Argentina* 92 De
Realp, *Switzerland* 45 Db
Reata, *Mexico* 88 Db
Rebun, I., *Japan* 66 Gb
Recalada, *Chile* 92 Ah
Recalde, *Argentina* 92 De
Recherche Arch., *W. Aust.* 94 Df
Rechna Doab, *W. Pakistan* 70 Ce
Recht, *Belgium* 44 Ed
Recife, *Brazil* 91 Le
Reconquista, *Argentina* 92 Ec
Recreio, *Brazil* 91 Fe
Red L., *Minnesota* 85 Hb
Red R., *Louisiana, etc.* 85 He
Red R., *Minnesota, etc.* 84 Gb
Red R. See Song-koi
Redbank, *New Jersey* 86 Cb
Red Deer, *Alberta* 80 Jf
Red Deer R., *Alberta* 80 Jf
Redding, *California* 87 Be
Redfield, *S. Dakota* 84 Gc
Red Indian L., *Newfoundland* 82 Kb
Redlands, *California* 87 Eh
Red Lodge, *Montana* 84 Eb
Redon, *France* 52 Bc
Redondeta, *Spain* 50 Aa
Red Pine, *New Brunswick* 82 Fc
Redruth, *Michigan* 83 Bb
Red Sea, *Africa-Arabia* 40 Cf
Ree L., *Eire* 31 Bg
Reed City, *Michigan* 83 Dd
Reedsburg, *Wisconsin* 83 Ad
Reefton, *New Zealand* 93 Ce
Refresco, *Chile* 92 Cc
Regencia, *Brazil* 91 Kg
Regensburg, *Germany* 48 Ed
Reggan, *Algeria* 78 Fc
Reggio Calabria, *Italy* 55 Ef
Reggio nell'Emilia, *Italy* 54 Cc
Reghin, *Rumania* 56 Ea
Regina, *Saskatchewan* 80 Lf
Registro do Araguaia, *Brazil* 91 Gg
Rehoboth, *S.-W. Africa* 75 Bd
Rehovot, *Israel* 74 Cf
Reichenbach, *Germany* 48 Ec
Reigate, *England* 31 Gj
Reigi, *Estonia* 47 Kg
Reims, *France* 52 Fb
Reina Adelaide, Arch. de la, *Chile* 92 Bh
Reindeer L., *Saskatchewan* 80 Le
Reinosa, *Mexico* 88 Eb
Reinosa, *Spain* 50 Ca
Reitan, *Norway* 46 De
Reitz, *Orange Free State* 75 De
Rekinniki, *Russia* 59 Rb
Remansão, *Brazil* 91 Hd
Remanso, *Brazil* 91 Je
Rembang, *Java* 63 Fm
Remedios, *Cuba* 89 Db
Remedios, *Panama* 89 Ce
Remeshk, *Iran* 73 Gd
Remiremont, *France* 52 Gb
Remoulins, *France* 53 Fe
Remscheid, *Germany* 48 Bc
Remüs, *Switzerland* 45 Fb
Rena, *Norway* 47 Df
Renaix. See Ronse
Renca, *Argentina* 92 Cd
Rendsburg, *Germany* 48 Ca
Renfrew, *Ontario* 83 Hc
Renfrew, co., *Scotland* 30 Ee
Rengat, *Sumatra* 63 Dl
Reni, *India* 70 Df
Renigunta, *India* 68 Ef
Renk, *Sudan* 79 Mf
Renkum, *Netherlands* 44 Dc
Renmark, *S. Australia* 95 Hf
Rennell, I., *Solomon Islands* 98 Fj
Rennes, *France* 52 Cb
Reno, *Nevada* 87 Df
Renovo, *Pennsylvania* 83 He
Rensselaer, *New York* 83 Kd
Renswoude, *Netherlands* 44 Db
Reo, *Flores I., Indonesia* 63 Hm
Réole la, *France* 53 Cd
Republica Dominicana, *W.I.* 89 Ec
Republican, R., *Nebraska* 84 Gc
Rep. of South Africa, *Afr.* 75 Ce
Repulse B., *N.-W. Terr.* 81 Pc
Repulse B., *Queensland* 95 Jd
Requena, *Peru* 91 Cd
Requena, *Spain* 51 Ec
Resita, *Rumania* 56 Cb
Resistencia, *Argentina* 92 Ec
Resolution I., *New Zealand* 93 Af
Resolution, Fort, *N.-W. T.* 80 Jd
Resolution I., *N.-W. Terr.* 81 Ud
Rethel, *France* 52 Fb
Réthimnon, *Crete* 57 Eg
Rethy, *Belgium* 44 Dc
Réunion, I., *Indian Ocean* 96 Dg
Reusel, *Netherlands* 44 Dc
Reutlingen, *Germany* 48 Cd
Reutte, *Austria* 48 De
Revda, *Russia* 61 Qb
Revel. See Tallinn
Revelstoke, *Brit Columbia* 80 Hf
Revilla Gigedo Is., *Mexico* 88 Bd
Revivim, *Israel* 74 Cf
Rewa, *India* 71 Cc
Rewari, *India* 70 Ef
Rey, I. del, *Panama* 89 De
Reydharfjord, *Iceland* 46 Zm
Reyes, *Mexico* 88 Dd
Reykjavik, *Iceland* 46 Um
Reynard, R. au, *Quebec* 82 Fb
Rezā'īyeh, *Iran* 72 Db
Rēzekne, *Latvia* 47 Mh
Rheden, *Netherlands* 44 Eb
Rhein R., *Germany* 48 Bc
Rheine, *Germany* 48 Bb
Rheinland-Pfalz, *Germany* 48 Bc
Rhenen, *Netherlands* 44 Dc
Rheydt, *Germany* 48 Bc
Rhine R. See Rhein R.
Rhinelander, *Wisconsin* 83 Bc
Rhode Island, state, *U.S.A.* 86 Eb
Rhodes (Rodhos,) I., *Greece* 57 Gf
Rhodesia, *Cent. Africa* 75 Dc
Rhodesia, N. See Zambia.
Rhön Geb., *Germany* 48 Cc
Rhondda, *Wales* 31 Ej
Rhône, dep., *France* 52 Fd
Rhône, R., *France, etc.* 53 Fd
Rhyl, *Wales* 31 Eg
Riaño, *Spain* 50 Ca
Riau Arch., *Indonesia* 63 Dk
Riaza, *Spain* 50 Db
Ribadeo, *Spain* 50 Ba
Ribadesella, *Spain* 50 Ca
Ribble R., *England* 31 Fg
Ribe, *Denmark* 47 Cj
Ribeirão Preto, *Brazil* 91 Hh
Ribera, *Sicily* 55 Dg
Riberalta, *Bolivia* 90 Df
Richards C., *Arctic Ocean* 39 Ra
Richardson Mts., *N.Z.* 93 Bf
Richfield, *Utah* 87 Gf
Richibucto, *New Brunswick* 82 Fc
Richland, *Washington* 87 Db
Richland Center, *Wisconsin* 83 Ad
Richmond, *California* 87 Bg
Richmond, *Cape Province* 75 Cf
Richmond, *Indiana* 83 Df
Richmond, *Maine* 82 Dd
Richmond, *New York* 83 Je
Richmond, *New Zealand* 93 Dd
Richmond, *Quebec* 83 Kc
Richmond, *Queensland* 95 Hd
Richmond

Rimini, *Italy* 54 Dc
Rîmnicu Sărat, *Rumania* 56 Fb
Rîmnicu Vîlcea, *Rumania* 56 Eb
Rimousici, *Quebec* 82 Db
Rincon, *Cuba* 89 Cb
Rincón, *New Mexico* 84 Ee
Rindal, *Norway* 46 Ce
Ringelspitz, Mt., *Switz.* 45 Eb
Ringköbing, *Denmark* 47 Ch
Ringvassöy, I., *Norway* 46 Hb
Rinihue, *Chile* 92 Be
Riobamba, *Ecuador* 90 Bd
Rio Bonito, *Brazil* 91 Jh
Rio Branco, *Brazil* 92 Gc
Rio Branco, *Brazil* 90 De
Rio Branco, *Uruguay* 92 Fd
Rio Bueno, *Chile* 92 Bf
Rio Chico, *Argentina* 92 Cg
Rio Chico, *Venezuela* 90 Da
Rio Colorado, *Argentina* 92 De
Rio Cuarto, *Argentina* 92 Dd
Rio de Janeiro, *Brazil* 91 Jh
Rio de Oro. See Convención
Rio-de-Oro, (*Sp. W. Africa*) 78 Bd
Rio do Sul, *Brazil* 92 Gc
Rio Gallegos & R., *Argent.* 92 Ch
Rio Grande, *Brazil* 92 Fd
Rio Grande, *Mexico* 88 Dc
Rio Grande del Norte, *Mexico-U.S.A.* 88 Db
Riohacha, *Colombia* 90 Ca
Rio Hondo, *Argentina* 92 Dc
Rio Muerto, *Argentina* 92 Dc
Rio Mulato, *Bolivia* 90 Dg
Rio Muni, *West Africa* 76 Cd
Rio Negro, *Brazil* 92 Gc
Rionero in Vulture, *Italy* 55 Ee
Rio Pardo, *Brazil* 91 Gh
Rio Verde, *Brazil* 91 Gg
Rio Verde, *Ecuador* 90 Bc
Rio Verde, *Mexico* 88 Ec
Rioz, *France* 52 Gc
Ripats, *Sweden* 46 Jc
Ripley, *California* 87 Fj
Ripley, *New York* 86 Aa
Ripley, *West Virginia* 83 Ff
Ripon, *England* 31 Ff
Ripon, *Quebec* 83 Jc
Ripon, *Wisconsin* 83 Bd
Risafe, *Syria* 72 Cb
Risalpur, *West Pakistan* 70 Cc
Risbäck, *Sweden* 46 Jc
Rishiri, I., *Japan* 66 Gb
Rishon-le-Zion, *Israel* 74 Cf
Risör, *Norway* 47 Cg
Ristijärvi, *Finland* 46 Nd
Ritchie's Arch., *Andaman Is.* 69 Hf
Rivadavia, *Argentina* 92 Db
Rivas, *Nicaragua* 89 Bd
Rivera, *Argentina* 92 De
Rivera, *Uruguay* 92 Ed
Riverhead, *New York* 83 Ke
Rivero, I., *Chile* 92 Bg
Riversdale, *New Zealand* 93 Bf
Riverside, *California* 87 Ej
Riverside Mt., *California* 87 Fh
Riverton, *New Zealand* 93 Bg
Riviera di Levante, *Italy* 54 Bc
Riviera di Ponente, *Italy* 54 Ad
Rivière à Pierre, *Quebec* 83 Kb
Rivière du Loup, *Quebec* 82 Dc
Riyadh (Ar Riyadh), *Arabia* 72 Ee
Riyaq, *Lebanon* 74 Ed
Rizaiyeh. See Rezā'īyeh
Rize, *Turkey* 72 Da
Rizokarpaso, *Cyprus* 74 Cb
Rizzuto C., *Italy* 55 Ff
Roa, *Spain* 50 Db
Roanne, *France* 52 Fc
Roanoke, *Virginia* 85 Ld
Roaringwater B., *Eire* 31 Aj
Roatan I., *Honduras* 89 Bc
Robat Thana, *W. Pakistan* 68 Bc
Robertsfors, *Sweden* 46 Jd
Robertsganj, *India* 71 Dc
Robertsport, *Liberia* 78 Cg
Roberval, *Quebec* 82 Bb
Robeson Ch., *Arctic Ocean* 39 Qa
Robinson's, *Newfoundland* 82 Jb
Robore, *Bolivia* 90 Fg
Robson, Mt., *B.Columbia* 80 Hf
Roca, Ia, *Spain* 50 Bc
Rocafuerte, *Ecuador* 90 Bd
Rocha, *Uruguay* 92 Fd
Rochdale, *England* 31 Fg
Rochefort, *Belgium* 44 Dd
Rochefort, *France* 52 Cd
Rochester, *England* 31 Hj
Rochester, *Michigan* 83 Ed
Rochester, *Minnesota* 85 Hc
Rochester, *New Hampshire* 83 Ld
Rochester, *New York* 83 Hd
Roche-sur-Yon, la, *France* 52 Cc
Rockall, I., *Atlantic Ocean* 42 Dd
Rockefeller Plateau, *Antarc.* 100 Pb
Rockford, *Illinois* 83 Bd
Rockhampton, *Queensland* 95 Kd
Rock Hill, *S. Carolina* 85 Kc
Rock Island, *Illinois* 83 Ae
Rockland, *Maine* 82 Dd
Rockland, *Massachusetts* 86 Ea
Rockland, *Ontario* 83 Jc
Rock Pt., *New Zealand* 93 Dd
Rock Springs, *Wyoming* 84 Ec
Rockstone, *Guyana* 90 Fb
Rockville, *Maryland* 86 Bc
Rocky Mount, *N. Carolina* 85 Ld
Rocky Mts., *N. America* 84 Db
Rocky Mountain Nat. Park, *Colorado* 84 Ec
Rocroi, *France* 52 Fb
Rödby, *Denmark* 47 Dj
Rodchevo, *Russia* 59 Qb
Rodez, *France* 53 Ed
Rodhopi, *Greece* 56 Ed
Rodhos & I., *Greece* 57 Gf
Rodkhan, *West Pakistan* 68 Bc
Rodopi Planina, *Bulg.-Greece* 56 Dd
Rodosto. See Tekirdag
Rodriquez, I., *Indian Ocean* 96 Ef
Roebourne, *W. Australia* 94 Cd
Roermond, *Netherlands* 44 Dc
Roeselare (Roulers), *Belg.* 44 Bd
Roes Welcome, *N.-W. Terr.* 81 Pd
Rœulx, *Belgium* 44 Cd
Rogachev, *Belorussia* 60 Ge
Rogers City, *Michigan* 83 Ec
Rogersville, *New Brunswick* 82 Fc
Rogliano, *Corsica* 53 Kh
Rohri, *West Pakistan* 68 Cc
Rohtak, *India* 70 Ef
Roi Et, *Thailand* 67 Cc
Roisin, *Belgium* 44 Bd
Rojas, *Argentina* 92 Dd
Rokiškis, *Lithuania* 47 Lj
Rolde, *Netherlands* 44 Eb
Rolle, *Switzerland* 45 Bb
Rolvsöy, *Norway* 46 Ka
Roma, *Queensland* 95 Je
Roma, *Sweden* 47 Hh
Roma, *Italy* 55 De
Roma, I., *Indonesia* 63 Jm
Romaine R., *Quebec* 82 Ga
Roman, *Rumania* 56 Fa
Romans, *France* 53 Fd
Romanshorn, *Switzerland* 45 Ea
Romanzof, C., *Alaska* 85 Wl
Rome, *Georgia, U.S.A.* 85 Je
Rome, *New York* 83 Jd
Rome. See Roma
Romerée, *Belgium* 44 Cd
Romford, *England* 31 Hj
Romney, *West Virginia* 83 Gf
Romny, *Ukraine* 60 Hf
Römö, I., *Denmark* 47 Cj
Romont, *Switzerland* 45 Bb
Romsdalshorn, *Norway* 46 Be
Ron, *North Vietnam* 67 Dc
Ronda, *Kashmir* 70 Dc
Ronda, *Spain* 50 Cd
Rondeau, *Ontario* 83 Fd
Rondônia, *Brazil* 90 Ef
Ronehamn, *Sweden* 47 Hh
Ronge, Lac la, *Sask.* 80 Le
Rönne, *Bornholm, I., Den.* 47 Fj
Ronne B., *Antarctica* 100 Sb
Ronneby, *Sweden* 47 Fh
Ronse, *Belgium* 44 Bd
Ronse's Point, *New York* 03 Kc
Roosendaal, *Netherlands* 44 Cc
Roosevelt, I., *Antarctica* 100 Mb
Roosevelt Res., *Arizona* 84 Dc
Rooseveltown, *New York* 83 Jc
Roper, R., *N. Terr., Aust.* 95 Fb
Roquefort, *France* 53 Cd
Rori, *India* 70 Df
Röros, *Norway* 46 De
Rorschach, *Switzerland* 45 Ea
Rös Vatn, *Norway* 46 Fd
Rosa, la, *Switzerland* 45 Fb
Rosa, Monte, *Switz.-Italy* 45 Cc
Rosablanche, Mt., *Switz.* 45 Cb
Rosarinho. See Axinim
Rosario, *Argentina* 92 Dd
Rosario, *Brazil* 91 Jd
Rosario, *Chile* 92 Bb
Rosario, *Mexico* 88 Aa
Rosario, *Mexico* 88 Cc
Rosario de la Frontera, *Argentina* 92 Dc
Rosario Oeste, *Brazil* 91 Ff
Rosario Tala, *Argentina* 92 Ed
Rosas, *Spain* 51 Ga
Rosas, G. of, *Spain* 51 Ga
Roscommon, *Michigan* 83 Dc
Roscommon & co., *Eire* 31 Bg
Roscrea, *Eire* 31 Bh
Rose I., *Samoa* 98 Jj
Roseburg, *Oregon* 87 Bd
Roseires, *Sudan* 79 Mf
Rosenheim, *Germany* 48 Ee
Rosetown, *Saskatchewan* 80 Kf
Rosetta. See Rashid
Rosier, C., *Quebec* 82 Fb
Rosignano Marittimo, *Italy* 54 Cd
Rosignol, *Guyana* 90 Fb
Roslavl, *Russia* 60 He
Rosport, *Luxembourg* 44 Ee
Ross, *England* 31 Fj
Ross, *New Zealand* 93 Ce
Ross Ice Shelf, *Antarctica* 100 Ma
Ross, I., *Antarctica* 100 Lb
Ross I., *Burma* 69 Jf
Ross R., *Yukon* 80 Ed
Ross Sea, *Antarctica* 100 Mb
Rossa, *Switzerland* 45 Eb
Ross & Cromarty, co., *Scot.* 30 Dc
Rossano, *Italy* 55 Ff
Rosseau L., *Ontario* 83 Gc
Rossel I., *Papua* 95 Kb
Rossignol, *Belgium* 44 De
Rossignol L., *Nova Scotia* 82 Fd
Rossland, *British Columbia* 80 Hg
Rosslare Harb., *Eire* 31 Ch
Rosslyn, *Virginia* 86 Bc
Rosta, *Norway* 46 Hb
Rosthern, *Saskatchewan* 80 Kf
Rostock, *Germany* 48 Ea
Rostov, *Russia* 61 Dg
Rostov, *Russia* 60 Lc
Roswell, *New Mexico* 84 Fe
Rota, I., *Mariana Islands* 98 Df
Rothenburg, *Germany* 48 Dd
Rotherham, *England* 31 Gg
Rothesay, *Scotland* 30 De
Roti, I., *Indonesia* 63 Hn
Rotorua, *New Zealand* 93 Fc
Rottordam, *Netherlands* 44 Cc
Rotuma, I., *Fiji* 98 Gj
Roubaix, *France* 52 Ea
Rouen, *France* 52 Db
Rõugo, *Estonia* 47 Mh
Roulers, *Belgium* 44 Bd
Roundup, *Montana* 84 Eb
Roura, *Fr. Guiana* 91 Gc
Rous, Pen., *Chile* 92 Cj
Rousay I., *Orkney, Scotland* 30 Ea
Rousbrugge, *Belgium* 44 Ad
Roussillon, prov., *France* 53 Ee
Rouveen, *Netherlands* 44 Eb
Rouyn, *Quebec* 83 Ga
Rovaniemi, *Finland* 46 Lc
Roveredo, *Switzerland* 45 Eb
Rovigo, *Italy* 54 Cc
Rovinari, *Rumania* 56 Db
Rovno, *Ukraine* 60 Ef
Roxas, *Philippines* 63 Hh
Roxburgh, *New Zealand* 93 Bf
Roxburgh, co., *Scotland* 30 Fe
Roxbury, *New York* 86 Ca
Royal Canal, *Eire* 31 Cg
Royale, I., *Michigan* 83 Bb
Royan, *France* 52 Cd
Rožňava, *Czechoslovakia* 49 Jd
Rtishchevo, *Russia* 61 Fd
Ruahine Ra., *New Zealand* 93 Fc
Ruapehu, Mt., *New Zealand* 93 Ec
Ruawai, *New Zealand* 93 Eb
Rubtsovsk, *Russia* 50 Hc
Ruby, *Alaska* 85 Xl
Rudauli, *India* 71 Cb
Rudbar, *Afghanistan* 73 Hc
Ruddervoorde, *Belgium* 44 Bc
Rudköbing, *Denmark* 47 Dj
Rudok, *Tibet* 68 Eb
Rudolf L., *Kenya* 77 Hd
Ruel, *Ontario* 83 Fb
Ruffec, *France* 52 Dc
Rufino, *Argentina* 92 Dd
Rugby, *England* 31 Gh
Rügen, I., *Germany* 48 Ea
Rui Barbosa, *Brazil* 91 Jf
Rujiena, *Latvia* 47 Lh
Ruk, *West Pakistan* 68 Cc
Rukumkot, *Nepal* 71 Da
Rukwa, L., *Tanzania* 77 Gf
Rum Cay, *Bahama Islands* 89 Eb
Rum, I., *Scotland* 30 Cd
Rumania, *Central Europe* 43 Pg
Rumbek, *Sudan* 79 Lg
Rumburk, *Czechoslovakia* 48 Fc
Rumegies, *France* 44 Bd
Rumford Falls, *Maine* 82 Cd
Rumigny, *France* 44 Ce
Rumillies, *Belgium* 44 Bd
Rum Jungle, *N. Terr., Aust.* 94 Fb
Rumoi, *Japan* 66 Gc
Rumuruti, *Kenya* 77 Hd
Runanga, *New Zealand* 93 Ce
Rungwa, *Tanzania* 77 Gf
Rungwe Mt., *Tanzania* 77 Gf
Rupar, *India* 70 Ee
Rupbas, *India* 71 Ab
Rurrenabaque, *Bolivia* 90 Df
Rurutu, I., *Austral Islands* 99 Kk
Rusape, *Rhodesia* 75 Ec
Ruse (Ruschuk), *Bulgaria* 56 Ec
Ruseifa, *Jordan* 74 Ee
Rusele, *Sweden* 46 Hd
Rusne, R., *Lithuania* 47 Jj
Russas, *Brazil* 91 Kd
Russel, C., *N.-W. Terr.* 80 Ha
Russelkonda, *India* 69 Fe
Russell, *New Zealand* 93 Ea
Russell Pt., *N.-W. Terr.* 80 Hb
Russian Socialist Federated Soviet Rep. (Russia) 58-59
Russkoye Ust'ye, *Russia* 59 Pa
Russo, *Switzerland* 45 Db
Rustak, *Afghanistan* 73 Jb
Rutbah, *Iraq* 72 Dc
Ruthi, *Switzerland* 45 Ea
Ruthin, *Wales* 31 Eg
Rutland, *Vermont* 83 Kd
Rutland, co., *England* 31 Gh
Rutland I., *Andaman Is.* 69 Hf
Ruurlo, *Netherlands* 44 Eb
Ruvuma R., *Moçambique* 77 Hg
Ruweiba, *Sudan* 79 Le
Ruwenzori, Mt., *Uganda* 77 Gd
Ružomberok, *Czechoslovakia* 49 Hd
Rvazhsk, *Russia* 60 Me
Rwanda, *Central Africa* 77 Fe
Ryan, L., *Scotland* 30 Df
Ryazan, *Russia* 60 Ld
Rybachiy, Pol., *Russia* 58 Cb
Rybinsk, *Russia* 60 Lb
Rybinskoye Res., *Russia* 60 Lb
Rybnoye, *Russia* 59 Ka
Ryde, *I. of W., England* 31 Gk
Rye, *England* 31 Hk
Rye Patch Res. *Nevada* 87 Dc
Rymarov, *Czechoslovakia* 49 Gd
Rypin, *Poland* 49 Hb
Ryukyu Retto, *Japan* 62 Hf
Rzeszów, *Poland* 49 Jc
Rzhev, *Russia* 60 Jc
Saalfeld, *Germany* 48 Dc
Saanen, *Switzerland* 45 Cb
Saarbrucken, *W. Germany* 48 Bd
Saaremaa, Ostrov, *Lithuania* 47 Kg
Saari Selkä, *Finland* 46 Nb
Saarland, *Europe* 48 Bd
Saarlouis, *W. Germany* 48 Bd
Saas Grund, *Switzerland* 45 Cb
Saavedra, *Argentina* 92 De
Saavedra, *Chile* 92 Be
Sabac, *Yugoslavia* 56 Bb
Sabadell, *Spain* 51 Gb
Sabah, *Malaysia* 63 Gj
Sabalan, Mt., *Iran* 72 Eb
Sabalgarh, *India* 68 Ec
Sabana, Arch. de, *Cuba* 89 Cb
Sabanalarga, *Colombia* 90 Ca
Sabancuy, *Mexico* 88 Fd
Sab Biyar, *Syria* 74 Fd
Sabha, *Jordan* 74 Ee
Sabile, *Latvia* 47 Kh
Sabiñánigo, *Spain* 51 Ea
Sabinas, *Mexico* 88 Db
Sabine, *Texas* 85 Hf
Sabine R., *Louisiana/Texas* 85 He
Sabine Mt., *Antarctica* 100 Lb
Sable, *France* 52 Cc
Sable, C., *Florida* 85 Kf
Sable, C., *Nova Scotia* 82 Fe
Sable I., *Nova Scotia* 82 Fe
Sables d'Olonne, les, *France* 52 Cc
Sabrina Coast, *Antarctica* 100 Hc
Sabzawar, *Afghanistan* 73 Hc
Sabzevar, *Iran* 73 Gb
Sacaca, *Bolivia* 90 Dg
Sacandaga Res., *New York* 86 Ca
Sacedon, *Spain* 51 Db
Sachigo R., *Ontario* 81 Nf
Sackets Harbor, *New York* 83 Hd
Sackville, *New Brunswick* 82 Fd
Saco, *Maine* 82 Ce
Sacramento, *Brazil* 91 Hg
Sacramento, *California* 87 Cf
Sacramento R., *California* 87 Cf
Sada, *Yemen* 72 Df
Sádaba, *Spain* 51 Ea
Sadabad, *India* 71 Bb
Sa da Bandeira, *Angola* 76 Cg
Sadad, *Syria* 74 Ec
Sa da Ibiapaba, *Brazil* 91 Jd
Sadaich. See Sadīj
Sadhaura, *India* 70 Ee
Sadīj, *Iran* 73 Gd
Sadiya, *India* 69 Jc
Sa 'diya, Jebel, *Arabia* 72 De
Sadmarda, *Afghanistan* 73 Jb
Sado, I., *Japan* 66 Fe
Sadra, *India* 60 Dd
Saeki, *Japan* 66 Bh
Safad, *Israel* 74 Ed
Safed Koh Ra., *Afghanistan-West Pakistan* 70 Bc
Safi, *Morocco* 78 Db
Safi, *Syria* 74 Df
Safidabeh, *Iran* 73 Hc
Safita, *Syria* 74 Ec
Safranbolu, *Turkey* 72 Ba
Saga, *Japan* 66 Bh
Sagaing, *Burma* 69 Jd
Sagami B., *Japan* 66 Fg
Sagar, *India* 71 Bd
Sagar I., *India* 71 Ge
Sagauli, *India* 71 Eb
Saginaw, *Michigan* 83 Dd
Saginaw B., *Michigan* 83 Ed
Saglouc *Quebec* 81 Rd
Sagone, G. de, *Corsica* 54 Bd
Sagres, *Portugal* 50 Ad
Sagua la Grande, *Cuba* 89 Cb
Saguenay R., *Quebec* 82 Cb
Sagunto, *Spain* 51 Ec
Saham, *Muscat & Oman* 73 Ge
Sahand, Mt., *Iran* 72 Eb
Sahara, *North Africa* 78 Ec
Sahara Desert, *Africa* 78-79
Saharanpur, *India* 70 Ef
Saharien Atlas, Mts., *Algeria* 78 Fb
Sahaswan, *India* 71 Ba
Sahiadriparvat Ra., *India* 68 Ed
Sahibganj, *India* 71 Fc
Sahiwal, *West Pakistan* 70 Ce
Sahuayo, *Mexico* 88 Dc
Sahuaripa, *Mexico* 88 Cb
Sahugun, *Spain* 50 Ca
Sahun, *S. Yemen* 72 Eg
Sahy, *Czechoslovakia* 49 Hd
Sahyadri Mts., *India* 68 De
Saibai, I.,Torres Str., *Qnsld.* 95 Ha
Saida. See Sidon
Saidabad, *Iran* 73 Gd
Saidapet, *India* 68 Ff
Said Bundas, *Sudan* 79 Kg
Saidpur, *India* 71 Dc
Saignelégier, *Switzerland* 45 Ba
Saigon, *South Vietnam* 67 Dd
Sailana, *India* 68 Dd
Saimaa Kanal, *Fin.-Russia* 47 Nf
Saimaa, L., *Finland* 47 Mf
Saimbeyli. *Turkey* 72 Bc
St Abbs Hd., *Scotland* 30 Fe
St Affrique, *France* 53 Ee
St Agatha, *Maine* 82 Dc
St Agrève, *France* 53 Fd
St Albans, *England* 31 Gj
St Albans, *Vermont* 83 Kc
St Amour, *France* 52 Fc
St Andre, *Quebec* 82 Dc
St André C., *Madagascar* 77 Mk
St Andrews, *New Brunswick* 82 Ed
St Andrew's, *Newfoundland* 82 Jc
St Andrews, *New Zealand* 93 Cf
St Andrews, *Scotland* 30 Fd
Ste Anne, *Quebec* 82 Cc
Ste Anne de Beaupré, *Que.* 83 Lb
Ste Anne de la Pérade, *Que.* 83 Kb
Ste Anne des Monts, *Quebec* 82 Eb
St Anns Bay, *Jamaica* 89 Dc
St Anthony, *Idaho* 84 Dc
St Antönien, *Switzerland* 45 Eb
St Antonis, *Netherlands* 44 Dc
St Augustin, C. de., *Madag.* 77 Ml
St Augustine, *Florida* 85 Kf
St Austell, *England* 31 Dk
Ste Barbara, *Venezuela* 90 Eb
St Barthélemy, I., *Leeward I.* 89 Gc
St Béat, *France* 53 De
St Bernard Pass, Gd., *Switzerland-Italy* 54 Ac
St Boniface, *Manitoba* 80 Mf
St Bride's B., *Wales* 31 Dj
St Brieuc, *France* 52 Bb
St Calais, *France* 52 Dc
St Catherines, *Ontario* 83 Gd
Ste Cécile, *Quebec* 83 Lc
St Chamond, *France* 52 Fd
St Charles, *Michigan* 83 Dd
St Charles, C., *Labrador* 81 Vf
St Chély d'Apcher, *France* 53 Ed
St Christopher, I. *Leeward Islands* 89 Gc
St Clair, *Michigan* 83 Ed
St Clair, L., *Mich.-Ontario* 83 Ed
St Cloud, *Minnesota* 85 Hb
Ste Croix, *Switzerland* 45 Bb
St Croix I., *West Indies* 89 Gc
St Croix, R., *Wisconsin* 85 Hb
St Davids Hd., *Wales* 31 Dj
St Denis, *France* 52 Eb
St di Nova Siri, *Italy* 55 Fe
St Dizier, *France* 52 Fb
St Elias Mt., *Alaska* 85 Yl
St Elias Ra., *Yukon* 80 Cd
Saintes, *France* 52 Cd
St Étienne, *France* 52 Fd
St Eustatius, I., *Leeward Is.* 89 Gc
St Fabien, *Quebec* 82 Db
St Fargeau, *France* 52 Ec
St Felicien, *Quebec* 82 Bb
St Filipsland, *Netherlands* 44 Cc
St Florent & G. de, *Corsica* 54 Bd
St Florentin, *France* 52 Eb
St Flour, *France* 53 Ed
St Francis, *Maine* 82 Dc
St Francis B., *S.-W. Africa* 75 Ao
St Francis, L., *Quebec* 83 Jc
St Francis R., *Quebec* 83 Kc
St François, L., *Quebec* 83 Lc
St Fulgent, *France* 52 Cc
St Gabriel de Brandon, *Que.* 83 Kb
St Gallen & canton, *Switz.* 45 Ea
St Gaudens, *France* 53 De
St Gédéon, *Quebec* 82 Cb
St George, *New Brunswick* 82 Ed
St George I., *Bering Sea* 85 Vm
St Georges, *Fr. Guiana* 91 Gc
St George's B., *Nfd.* 82 Jb
St George's Chan., *Ireland-Wales* 31 Cj
St Georges, *Quebec* 82 Cc
St Gérard, *Belgium* 44 Cd
St Germain, *France* 52 Eb
St German, *Puerto Rico* 89 Fc
St Gheorghe I., *Rumania* 56 Gb
St Ghislain, *Belgium* 44 Bd
St Gilgen, *Austria* 48 Ee
St Gilles, *Belgium* 44 Cc
St Gilles, *France* 53 Fe
St Gillis-Waas, *Belgium* 44 Cc
St Gingolph, *Switzerland* 45 Bb
St Girons, *France* 53 De
St Gotthard, pass, *Switz.* 45 Db
St Guenolé, *France* 52 Ac
St Helena, *Atlantic Ocean* 97 Kk
St Helena B., *Cape Province* 75 Bf
St Helens, *England* 31 Eg
St Helens, Mt., *Washington* 87 Bb
St Hilaire, *New Brunswick* 82 Dc
St Hubert, *Belgium* 44 Dd
St Hyacinthe, *Quebec* 83 Kc
St Ignace, *Michigan* 83 Dc
St Imier, *Switzerland* 45 Ba
St Irénée, *Quebec* 83 Lb
St Ives, *England* 31 Dk
St Jacques, *New Brunswick* 82 Dc
St James, C., *B. Columbia* 80 Ef
St Jean, *Belgium* 44 Ad
St Jean, *France* 52 Gd
St Jean, *Quebec* 83 Kc
St Jean d'Angély, *France* 52 Cd
St Jean de Luz, *France* 53 Ce
St Jérôme, *Quebec* 83 Kc
St Joachim, *Quebec* 83 Lb
St John, *New Brunswick* 82 Ed
St John B., *Newfoundland* 82 Ka
St John, L., *Quebec* 82 Cb
St John, Mt., *Quebec* 82 Ga
St John's, *Michigan* 83 Dd
St John's, *Newfoundland* 82 Mc
St Johnsbury, *Vermont* 83 Kc
St John's I., *Red Sea* 72 Ce
St Joris-Winge, *Belgium* 44 Cd
St Joseph, *Michigan* 83 Cd
St Joseph, *Missouri* 85 Hd
St Joseph, *Quebec* 82 Cc
St Joseph I., *Ontario* 83 Eb
St Joseph L., *Ontario* 81 Nf
Ste Justine, *Quebec* 83 Lb
St Kitts. See St. Christopher I.
St Laurent, *Fr. Guiana* 91 Gb
St Lawrence, *Queensland* 95 Jd
St Lawrence, G. of, *Canada* 82 Gb
St Lawrence I., *Alaska* 85 Vl
St Lawrence, R., *Quebec etc.* 81 Tg
St Lawrence Seaway, *N. America* 83 Jc
St Leger, *Belgium* 44 De
St Leonard, *Belgium* 44 Cc
St Léonard, *France* 52 Dd
St Leonard, *New Brunswick* 82 Ec
St Lewis, C., *Labrador* 81 Vf
St Lin, *Quebec* 83 Kc
St Lô, *France* 52 Cb
St Louis, *Mauritania* 78 Be
St Louis, *Michigan* 83 Dd
St Louis, *Missouri* 85 Hd
St Louis, L., *Quebec* 83 Kc
St Louis de Kent, *N.B.* 82 Fc
St Lucia C., *Natal* 75 Ee
St Lucia, I., *Windward Is.* 89 Gd
St Lucia L., *Natal* 75 Ee
St Luke's I., *Burma* 69 Jf
St Maartensdijk, *Netherlands* 44 Cc
St Magnus B., *Shetland* 30 Ha
St Maixent, *France* 52 Cc
St Malo & Gulf, *France* 52 Bb
St Marc, *Haiti* 89 Ec
St Mard, *Belgium* 44 Dc
Ste Marie C., *Madagascar* 77 Nm
Ste Marie I., *Madagascar* 77 Nk
St Martin, I., *Leeward Is.* 89 Gc
St Martins, *New Brunswick* 82 Fd
St Mary B., *Nova Scotia* 82 Ed
St Mary Is., *India* 68 Df
St Mary's, *Ontario* 83 Fd
St Marys, *Pennsylvania* 86 Ab
St Marys, *Tasmania* 95 Jh
St Mary's B., *Newfoundland* 82 Mc
St Mary's L., *Scotland* 30 Ee
St Mary's Pk., *S. Australia* 95 Gf
St Matthew I., *Alaska* 85 Vl
St Matthew's I., *Burma* 69 Jg
St Maurice, *Switzerland* 45 Bb
St Maurice de Labrieville, *Quebec* 82 Db
St Maurice R., *Quebec* 83 Kb
St Maximin, *France* 53 Fe
St Meen, *France* 52 Bb
St Michael, *Alaska* 85 Wl
St Michaels, *Maryland* 83 Hf
St Moritz, *Switzerland* 45 Eb
St Nazaire, *France* 52 Bc
St Nicolaasga, *Netherlands* 44 Db
St Nicolas. See St Niklaas
St Niklaas, *Belgium* 44 Cc
St Niklau, *Switzerland* 45 Cb
St Odilienberg, *Netherlands* 44 Ec
St Omer, *France* 52 Ea
Saintonge, prov., *France* 52 Cd
St Paul, *Minnesota* 85 Hc
St Paul I., *Bering Sea* 85 Vm
St Paul, I., *Indian Ocean* 96 Fh
St Paul de Fenouillet, *France* 53 Ee
St Peter, *Prince Edward I.* 82 Gc
St Peter, L., *Quebec* 83 Kb
St Petersburg, *Florida* 85 Kf
St Petersburg, *Pennsylvania* 86 Ab
St Pierre, *Martinique, W.I.* 89 Gd
St Pierre, *Quebec* 83 Lb
St Pierre, I., *Atlantic Ocean* 82 Kc
St Pol, *France* 52 Ea
St Polten, *Austria* 49 Fd
St Pons, *France* 53 Ee
St Pourçain, *France* 52 Ec
St Quentin, *France* 52 Eb
St Raymond, *Quebec* 83 Lb
St Rémi d'Amherst. See Lac-Rémi
St Roch, *Quebec* 82 Cc
St Sébastien C., *Madagascar* 77 Nj
St Sernin-sur-Rance, *France* 53 Ee
St Servan, *France* 52 Bb
St Sever, *France* 53 Ce
St Simeon, *Quebec* 83 Lb
St Simon, *Quebec* 82 Db
St Stephen, *New Brunswick* 82 Ed
St Thecle, *Quebec* 83 Kb
Ste Thérèse, L., *N.-W. Terr.* 80 Gd
St Thomas, *Ontario* 03 Fd
St Thomas, I., *Virgin Is.* 89 Gc
St Trond. See St Truiden
St Tropez, *France* 53 Ge
St Truiden, *Belgium* 44 Dd
St Valery, *France* 52 Da
St Valery-en-Caux, *France* 52 Db
St Veit, *Austria* 48 Fe
St Vincent, *Windward Is.* 89 Gd
St Vincent C., *Madagascar* 77 Ml
St Vincent, G., *S. Australia* 95 Gg
St Vith, *Belgium* 44 Ed
Saipan, I., *Mariana Is.* 98 Df
Saiping. See Sinyang
Saiun (Saywūn), *S. Yemen* 72 Ef
Saivomuotka, *Sweden* 46 Kb
Saiyidwala, *West Pakistan* 70 Ce
Saka Dzong, *Tibet* 69 Gc
Sakai, *Japan* 66 Dg
Sakakah, *Arabia* 72 Dd
Saka Kalat, *West Pakistan* 68 Cc
Sakania, *Congo* 77 Fg
Sakarya, R., *Turkey* 72 Bb
Sakata, *Japan* 66 Fe
Sakesar, *West Pakistan* 70 Cd
Sakha, *Arabia* 72 De
Sakhalin, *Russia* 59 Pc
Sakahlinskiy Zaliv, *Russia* 59 Pc
Saki, *Russia* 60 Hj
Sakiai, *Lithuania* 47 Kj
Sakishima Gunto, Is., *Japan* 66 Kk
Sakti, *India* 71 Db
Sakylä, *Finland* 47 Kf
Sala, *Czechoslovakia* 49 Gd
Šala, *Sweden* 47 Gg
Salacgriva, *Latvia* 47 Lh
Sala Consilina, *Italy* 55 Ee
Salada, L., *Mexico* 88 Aa
Salado, R., *Argentina* 92 Dc
Salaga, *Ghana* 78 Eg
Salahiya, *Syria* 72 Dc
Salajar, I., *Indonesia* 63 Hm
Salala, *Muscat & Oman* 73 Ff
Salama, *Guatemala* 88 Fd
Salamanca, *Mexico* 88 Dc
Salamanca, *New York* 83 Gd
Salamanca, *Spain* 50 Cb
Salamaua, *New Guinea* 95 Ja
Salamina, *Colombia* 90 Bb
Salamis & I., *Greece* 57 Df
Salangen, *Norway* 46 Gb
Salas, *Spain* 50 Ba
Salas de los Infantes, *Spain* 50 Da
Salatsgriva. See Salacgriva
Salaverry, *Peru* 90 Be
Sala-y-Gomez I., *Pacific Oc.* 99 Qk
Salbris, *France* 52 Ec
Saldana, *Spain* 50 Ca
Saldus, *Latvia* 47 Kh
Sale, *Victoria, Australia* 95 Jg
Salekhard, *Russia* 58 Fb
Salem, *India* 68 Ef
Salem, *Massachusetts* 83 Ld
Salem, *New Jersey* 83 Jf
Salem, *Oregon* 87 Bc
Salemi, *Sicily* 55 Dg
Sälen, *Sweden* 47 Ef
Salerno, *Italy* 55 Ee
Salerno, G. di., *Italy* 55 Ee
Salford, *England* 31 Fg
Salgueiro, *Brazil* 91 Ke
Salida, *Colorado* 84 Ed
Salina, *Kansas* 84 Gd
Salina, I., *Italy* 55 Ef
Salina Cruz, *Mexico* 88 Ed
Salinas. See Salinópolis
Salinas, *California* 87 Cg
Salinas, *Ecuador* 90 Ad
Salinas, *Mexico* 88 Dc
Salinas, *Mexico* 88 Db
Salinas R., *California* 87 Cg
Saline R., *Kansas* 84 Gd
Salinitas, *Chile* 92 Bb
Salinópolis, *Brazil* 91 Hd
Salisbury, *England* 31 Fj
Salisbury, *Maryland* 85 Kd
Salisbury, *New Brunswick* 82 Fc
Salisbury, *N. Carolina* 85 Kd
Salisbury, *Rhodesia* 75 Ec
Salisbury I., *N.-W. Terr.* 81 Rd
Salisbury L., *Uganda* 77 Gd
Salisbury Plain, *England* 31 Fj
Salkhad, *Syria* 74 Ee
Sallyana, *Nepal* 71 Da
Salmon R., *Idaho* 87 Fc
Salmon Gums, *W. Australia* 94 Df
Salmon River Mts., *Idaho* 87 Ec
Salo, *Finland* 47 Kf
Salon, *France* 53 Fe
Salon, *India* 71 Cb
Salonica. See Thessaloníki
Salonta, *Rumania* 56 Ca
Salqin, *Syria* 74 Ea
Salsette I., *India* 68 De
Salt Fd., *Norway* 46 Fc
Salt L., *W. Australia* 94 Bd
Salt Ls., *W. Australia* 94 Ee
Salt Ra., *West Pakistan* 68 Db
Salt R., *Arizona* 84 De
Salta, *Argentina* 92 Cb
Saltdal, *Norway* 46 Fc
Saltee, Is., *Eire* 31 Ch
Saltillo, *Mexico* 88 Db
Salt Lake City, *Utah* 87 He
Salto, *Argentina* 92 Dd
Salto, *Uruguay* 92 Ed
Salto da Divisa, *Brazil* 91 Kg
Salton Sea, *California* 87 Fj
Saltrou, *Haiti* 89 Ec
Salûm & G. of, *Egypt* 79 Lb
Salur, *India* 69 Fe
Salut, Is du, *Fr. Guiana* 91 Gb
Saluzzo, *Italy* 54 Ac
Salvador, *Brazil* 91 Kf
Salvador, El, rep., *C. Amer.* 89 Bd
Salvaterra, *Portugal* 50 Ac
Salvatierra, *Mexico* 88 Dc
Salzburg, *Austria* 48 Ee
Salzgitter, *Germany* 48 Db
Salzwedel, *Germany* 48 Db
Samahala, *Botswana* 75 Cc
Samalut, *Egypt* 79 Mc
Samana & B. de, *Rep. Dom.* 89 Fc
Samar, I., *Philippines* 63 Jh
Samarai, *Papua* 95 Kb
Samarinda, *Borneo* 63 Gl
Samarkand, *Uzbekistan* 58 Fe
Samarra Balad, *Iraq* 72 Dc
Samastipur, *India* 71 Ec
Samäwa, *Iraq* 72 Ec
Sambalpur, *India* 69 Fd
Sambava, *Madagascar* 77 Pj
Sambeek, *Netherlands* 44 Dc
Sambhal, *India* 71 Ba
Sambhar, *India* 68 Dc
Sambor, *Ukraine* 60 Cg
Samborombón, B., *Argent.* 92 Ee
Sambre, R., *Belgium* 44 Cd
Samedan, *Switzerland* 45 Eb
Sam

Samsu, *Korea* 62 Jb
Samsun, *Turkey* 72 Ca
Samthar, *India* 71 Bc
San, *Mali* 78 Ef
San'a, *Yemen* 72 Df
Sanam, Jebel, *Iraq* 72 Ec
San Ambrosio I., *Pacific Oc.* 99 Tk
Sanana, *Moluccas* 63 Jl
Sanandaj, *Iran* 72 Eb
San Angelo, *Texas* 84 Fe
San Antioco, I., *Sardinia* 55 Bf
San Antonio, *Chile* 92 Cb
San Antonio, *Chile* 92 Bd
San Antonio, *Mexico* 88 Cc
San Antonio, *Texas* 84 Gf
San Antonio, C., *Argentina* 92 Ee
San Antonio, C., *Cuba* 89 Cb
San Antonio R., *Texas* 84 Gf
San Antonio Oeste, *Argent.* 92 Df
Sanaraipo, *Venezuela* 90 Db
San Bartolomeu de Messines, *Portugal* 50 Ad
San Benedetto del Tronto, *Italy* 54 Dd
San Benito Is., *Mexico* 88 Ab
San Bernardino, *California* 87 Eh
San Bernardino Ra., *Cal.* 87 Eh
San Bernardo, *Chile* 92 Bd
San Blas, *Argentina* 92 Df
San Blas, *Mexico* 88 Cc
San Blas, *Mexico* 88 Cb
San Blas, C., *Florida* 85 Jf
San Blas, G. de, *Panama* 89 De
San Borja, *Mexico* 88 Bb
San Carlos, *Argentina* 92 Cc
San Carlos, *Argentina* 92 Cd
San Carlos, *Chile* 92 Be
San Carlos, *Mexico* 88 Ec
San Carlos, *Nicaragua* 89 Cd
San Carlos, *Amazonas, Venez.* 90 Dc
San Carlos, *Cojedes, Venez.* 90 Db
San Carlos L., *Arizona* 84 De
San Carlos de Bariloche, *Argentina* 92 Bf
San Carlos del Zulia, *Venez.* 90 Cb
Sanchez, *Rep. Dominicana* 89 Fc
San Clemente, *Spain* 51 Dc
San Cosme, *Paraguay* 92 Ec
San Cristobal, *Argentina* 92 Dd
San Cristobal, *Mexico* 88 Fd
San Cristobal, *Venezuela* 90 Cb
San Cristobal I., *Galapagos I.* 99 Sh
San Cristobal, I., *Solomon Is.* 98 Fj
Sancti Spiritus, *Cuba* 89 Db
Sand, *Norway* 47 Bg
Sandakan, *North Borneo* 63 Gj
Sanday I., *Orkney* 30 Fa
Sandefjord, *Norway* 47 Dg
Sandgate, *Queensland* 95 Ke
Sandhornöy, *Norway* 46 Ec
Sandia, *Peru* 90 Df
San Diego, *California* 87 Ej
San Diego, C., *Argentina* 92 Ch
San Diego de Cabrutica, *Venezuela* 90 Eb
Sandikli, *Turkey* 72 Bb
Sandila, *India* 71 Cb
San Dimas, *Mexico* 88 Cc
Sandnes, *Norway* 47 Ag
Sandoa, *Congo* 76 Ef
San Domingos, *Portugal* 50 Bd
Sandoway, *Burma* 69 He
Sandpoint, *Idaho* 84 Cb
Sandstone, W. *Australia* 94 Ce
Sandträsk, *Sweden* 46 Jc
Sandusky, *Michigan* 83 Ed
Sandusky, *Ohio* 83 Ee
Sandvig, *Bornholm, I., Den.* 47 Fj
Sandwich, *Ontario* 83 Ed
Sandy C., *Queensland* 95 Kd
Sandy L., *Ontario* 81 Nf
San Esteban de Gormaz, *Spain* 50 Db
San Felipe, *Chile* 92 Bd
San Felipe, *Guatemala* 88 Fe
San Felipe, *Mexico* 88 Fd
San Felipe, *Mexico* 88 Ba
San Felipe, *Venezuela* 90 Da
San Feliu de Guixols, *Spain* 51 Gb
San Feliu de Llobregat, *Sp.* 51 Fb
San Félix, *Venezuela* 90 Eb
San Felix I., *Pacific Ocean* 99 Sk
San Fernando, *Chile* 92 Bd
San Fernando, *Mexico* 88 Ec
San Fernando, *Mexico* 88 Ab
San Fernando, *Philippines* 63 Hg
San Fernando, *Trinidad* 90 Ea
San Fernando de Apure, *Venezuela* 90 Db
San Fernando de Atabapo, *Venezuela* 90 Dc
Sanford, *Maine* 82 Ce
Sanford, Mt., *Alaska* 85 Yl
San Francisco, *Argentina* 92 Dd
San Francisco, *California* 87 Bg
San Francisco Pk., *Arizona* 84 Dd
Sanga, *Angola* 76 Dg
Sangareddipet, *India* 68 Ee
Sanggau, *Borneo* 63 Fk
Sangihe Kep., *Indonesia* 63 Jk
San Giovanni in Fiore, *Italy* 55 Ff
Sangkulirang, *Borneo* 63 Gk
Sangla Hill, *West Pakistan* 70 Ce
Sangre de Cristo Mts., *Colo.* 84 Ed
Sangre Grande Town, *Trinidad* 90 Ea
Sangrur, *India* 70 De
Sanguin, *Liberia* 78 Dg
San Ignacio, *Bolivia* 90 Df
San Ignacio, *Bolivia* 90 Eg
San Ignacio, *Mexico* 88 Cc
San Ignacio, *Mexico* 88 Bb
San Ignacio, *Paraguay* 92 Ec
San Javier, *Argentina* 92 Ed
San Javier, *Bolivia* 90 Eg
San Javier, *Chile* 92 Be
San João, *Portugal* 50 Bb
San Joaquim, *Bolivia* 90 Ef
San Jorge, G., *Argentina* 92 Cg
San José, *Bolivia* 90 Eg
San José, *California* 87 Cg
San José, *Colombia* 90 Cc
San José, *Costa Rica* 89 Ce
San José, *Guatemala* 88 Fe
San José, *Uruguay* 92 Ed
San José, G., *Argentina* 92 Df
San José, I., *Mexico* 88 Bb
San José Carpizo, *Mexico* 88 Fd
San José de Amacuro, *Venezuela* 90 Eb
San José de Feliciano, *Argent.* 92 Ed
San José del Cabo, *Mexico* 88 Cc
San José de Ocune, *Colombia* 90 Cc
San José Pimas, *Mexico* 88 Cb
San Juan, *Bolivia* 90 Fg
San Juan, *Puerto Rico* 89 Fc
San Juan, *Peru* 90 Bg
San Juan, *Venezuela* 90 Da
San Juan & R., *Argentina* 92 Cd
San Juan, C., *Argentina* 92 Dh
San Juan Mts., *Colorado* 84 Ed
San Juan, R., *Mexico* 88 Ed
San Juan, R., *Nicaragua* 89 Bb
San Juan R., *Utah, etc.* 84 Dd
San Juan de Camarones, *Mexico* 88 Cb
San Juan de Guadalupe, *Mex.* 88 Dc
San Juan del Norte, *Nic.* 89 Cd
San Juan de los Lagos, *Mex.* 88 Dc
San Juan del Rio, *Mexico* 88 Ec
San Juan del Sur, *Nicaragua* 89 Bd
San Julian, *Argentina* 92 Cg
San Justo, *Argentina* 92 Dd
Sankuri Post, *Kenya* 77 He
San Lazaro, C., *Mexico* 88 Bc
San Leandro, *California* 87 Bg
San Lorenzo, *Argentina* 92 Dd
San Lorenzo, *Ecuador* 90 Bc
San Lorenzo, *Honduras* 89 Bd
San Lorenzo, *Mexico* 88 Ba
San Lorenzo, *Peru* 90 Df
San Lorenzo Is., *Mexico* 88 Bb
San Lorenzo del Escorial, *Sp.* 50 Cb
Sanlucar la Mayor, *Spain* 50 Bd
San Lucas, *Bolivia* 90 Dh
San Lucas, C., *Mexico* 88 Cc
San Luis, *Argentina* 92 Ec
San Luis, *Cuba* 89 Db
San Luis de la Paz, *Mexico* 88 Dc
San Luis Obispo, *California* 87 Ch
San Luis Potosi & state, *Mexico* 88 Dc
Sanluri, *Sardinia* 55 Bf
San Marcos, *Colombia* 90 Bb
San Marino, rep., *Italy* 54 Dd
San Martin, *Argentina* 92 Bf
San Martin, *Colombia* 90 Cc
San Martin, L., *Chile-Argent.* 92 Bg
San Martin de los Andes, *Argentina* 92 Bf
San Martín de Valdeiglesias, *Spain* 50 Cb
San Martinho, *Portugal* 50 Ac
San Mateo, *Spain* 51 Fb
San Matias, *Bolivia* 90 Fg
San Matias, G., *Argentina* 92 Df
San Maura. See Levkás I.
Sanmenhsia, *China* 64 Ee
San Miguel, *Bolivia* 90 Eg
San Miguel, *Mexico* 88 Dc
San Miguel, *Peru* 90 Cf
San Miguel, *Salvador* 89 Bd
San Miguel. See Rey, I. del
San Miguel, B. de, *Panama* 89 De
San Miguel I., *California* 87 Ch
San Miguel, R., *Bolivia* 90 Eg
San Miguel de Tucuman, *Argentina* 92 Cc
San Nicolás, *Argentina* 92 Dd
San Pablo, *Bolivia* 90 Dh
San Pablo, C., *Argentina* 92 Ch
San Pedro, *Argentina* 92 Ed
San Pedro, *Brit. Honduras* 89 Bc
San Pedro, *California* 87 Dj
San Pedro, *Ivory Coast* 70 Dh
San Pedro, *Mexico* 88 Db
San Pedro, *Paraguay* 92 Eb
San Pedro Chan., *California* 87 Dj
San Pedro de Arimena, *Colombia* 90 Cc
San Pedro del Gallo, *Mexico* 88 Db
San Pedro de Lloc, *Peru* 90 Be
San Pedro de Macoris, *Rep. Dominicana* 89 Fc
San Pedro do Sul, *Portugal* 50 Ab
San Pedro Sula, *Honduras* 89 Bc
San Pietro I., *Sardinia* 55 Bf
San Quintin & B., *Mexico* 88 Aa
San Rafael, *Argentina* 92 Cd
San Rafael, *California* 87 Bg
San Rafael, *New Mexico* 84 Ed
San Ramon, *Peru* 90 Bf
San Remo, *Italy* 54 Ad
San Roque, *Argentina* 92 Ec
San Salvador, *Angola* 76 Cf
San Salvador, *Bahama Is.* 89 Eb
San Salvador, *Salvador* 89 Bd
Sansanne Mango, *Togo* 78 Ff
San Sebastián, *Spain* 51 Da
San Sebastian & B., *Argent.* 92 Ch
San Severo, *Italy* 55 Ee
Sans Souci, *Ontario* 83 Fc
Santa, *Peru* 90 Be
Santa Ana, *Bolivia* 90 Df
Santa Ana, *Bolivia* 90 Fg
Santa Ana, *California* 87 Ej
Santa Ana, *Ecuador* 90 Ad
Santa Ana, *Mexico* 88 Ba
Santa Ana, *Salvador* 89 Bd
Santa Anna (do Bananal) I. de, *Brazil* 91 Gf
Santa Antonio da Gloria. See Gloria
Santa Barbara, *California* 87 Dh
Santa Barbara, *Honduras* 89 Bd
Santa Barbara Chan., *Cal.* 87 Ch
Santa Catalina, *Chile* 92 Cc
Santa Catalina I., *California* 87 Dj
Santa Catalina, I., *Mexico* 88 Bb
Santa Catalina, Mt. See Encantada, Cerro de
Santa Catarina, *Mexico* 88 Cc
Santa Catarina, I., *Brazil* 92 Gc
Santa Clara, *Brazil* 90 Dd
Santa Clara, *Cuba* 89 Cb
Santa Clara, Sa., *Mexico* 88 Bb
Santa Coloma de Farnes, *Sp.* 51 Gb
Santa Cruz, *Argentina* 92 Ch
Santa Cruz, *Bolivia* 90 Eg
Santa Cruz, *California* 87 Bg
Santa Cruz, *Chile* 92 Bd
Santa Cruz, *Mexico* 88 Ba
Santa Cruz, *Peru* 90 Be
Santa Cruz, *Philippines* 63 Hh
Santa Cruz Chan. & I., *Cal.* 87 Dj
Santa Cruz, I. See St Croix I.
Santa Cruz Is., *Pacific Ocean* 98 Fj
Santa Cruz, R., *Argentina* 92 Bh
Santa Cruz de la Zarza, *Sp.* 50 Dc
Santa Cruz del Sur, *Cuba* 89 Db
Santa Cruz de Tenerife, *Canary Is.* 78 Bc
Santa de S. Luis, *Argentina* 92 Cd
Santa Elena, *Ecuador* 90 Ad
Santa Eufemia, G. di, *Italy* 55 Ff
Santa Fé, *Argentina* 92 Dd
Santa Fé, *Cuba* 89 Cb
Santa Fé, *New Mexico* 84 Ed
Santa Filomena, *Brazil* 91 He
Santa Helena, *Brazil* 92 Fb
Santa Helena, *Brazil* 91 Hd
Santa Helena, *Brazil* 91 Fe
Santai, *China* 64 Bg
Santa Innes, B., *Mexico* 88 Bb
Santa Isabel, *Argentina* 92 Ce
Santa Isabel, *Fernando Poo* 78 Gh
Sta Isabel, *Solomon Islands* 98 Eh
Santalnes, I., *Chile* 92 Bh
Santa Lucia, *Cuba* 89 Db
Santa Margarita, I., *Mexico* 88 Bc
Santa Maria, *Argentina* 92 Cc
Santa Maria, *Brazil* 92 Fc
Santa Maria, *California* 87 Ch
Santa Maria, *Mexico* 88 Cb
Santa Maria, I., *Atlantic Oc.* 78 Bb
Santa Maria, I., *Chile* 92 Be
Santa Maria, Mt., *Argentina* 92 Ce
Santa Maria del Rio, *Mex.* 88 Dc
Santa Maria di Leuca C., *It.* 55 Gf
Santa Maria la Real de Nieva, *Spain* 50 Cb
Santa Marta, *Colombia* 90 Ca
Santa Monica, *California* 87 Dh
Santa Monica B., *California* 87 Dj
Santander, *Colombia* 90 Bc
Santander, *Spain* 50 Da
Santa Paula, *California* 87 Dh
Santa Quiteria, *Brazil* 91 Jd
Santarem, *Brazil* 91 Gd
Santarem, *Portugal* 50 Ac
Santa Rita, *Brazil* 91 Fa
Santa Rita, *Venezuela* 90 Ca
Santa Rosa, *Argentina* 92 Cd
Santa Rosa, *Argentina* 92 Cd
Santa Rosa, *Bolivia* 90 Eg
Santa Rosa, *Brazil* 92 Fc
Santa Rosa, *California* 87 Bf
Santa Rosa, *Honduras* 89 Bd
Santa Rosa I., *California* 87 Cj
Santa Rosa de Toay, *Argentina* 92 De
Santa Rosalia, *Mexico* 88 Bb
Santa Sylvina, *Argentina* 92 Dc
Santa Vitoria do Palmar, *Brazil* 92 Fd
Santee R., *S. Carolina* 85 Ke
Santiago, *Brazil* 92 Fc
Santiago, *Chile* 92 Bd
Santiago, *Mexico* 88 Cc
Santiago, *Mexico* 88 Cc
Santiago, *Panama* 89 Ce
Santiago, *Rep. Dominicana* 89 Ec
Santiago de Compostela, *Sp.* 50 Aa
Santiago, Cerro, *Panama* 89 Ce
Santiago, Sa. de, *Bolivia* 90 Fg
Santiago de Cuba, *Cuba* 89 Dc
Santiago del Estero, *Argent.* 92 Dc
Santiago Papasquiaro, *Mex.* 88 Cc
Santillana, *Spain* 50 Ca
Santipur, *India* 71 Gd
Santis, Mt., *Switzerland* 45 Ea
Santo Angelo, *Brazil* 92 Fc
Santo Antonio, *Brazil* 90 Ef
Santo Antonio do Zaire, *Angola* 76 Cf
Santo Corazon, *Bolivia* 90 Fg
Santo Domingo, *Cuba* 89 Cb
Santo Domingo, *Rep. Dominicana* 89 Fc
Santo Domingo, *Mexico* 88 Aa
Santorini. See Thira, I.
Santos, *Brazil* 91 Hh
Santo Tomás, *Mexico* 88 Aa
Santo Tomás, *Peru* 90 Cf
Santo Tomé, *Argentina* 92 Ec
Santvliet, *Belgium* 44 Cc
San Urbano, *Argentina* 92 Dd
San Vicente, *Salvador* 89 Bd
San Vicente del Caguan, *Colombia* 90 Cc
San Vito C., *Italy* 55 Fe
São Antonio do Ica, *Brazil* 90 Dd
São Bento do Norte, *Brazil* 91 Ke
São Borja, *Brazil* 92 Ec
São Carlos, *Brazil* 91 Hh
São Cristovão, *Brazil* 91 Kf
São Domingos, *Brazil* 91 Hf
São Felix, *Brazil* 91 Ge
São Francisco, *Brazil* 91 Je
São Francisco, *Brazil* 91 Jg
São Francisco, R., *Brazil* 91 Ke
São Francisco do Sul & I. de, *Brazil* 92 Gc
Sao Hill, *Tanzania* 77 Hf
São Jeronimo, *Brazil* 91 Gh
São Jeronimo, *Brazil* 92 Fc
São Joao da Barra, *Brazil* 91 Jh
São Joao da Boa Vista, *Brazil* 91 Hh
São Joao del Rei, *Brazil* 91 Jh
São João do Araguaya, *Brazil* 91 He
São João do Piaui, *Brazil* 91 Je
São Joaquim, *Brazil* 90 Dc
São José, *Brazil* 92 Ed
São José, *Brazil* 92 Gc
São José, *Brazil* 90 Dd
São José do Mipibu, *Brazil* 91 Ke
São José do Rio Prêto, *Brazil* 91 Hh
São Lourenço & R., *Brazil* 91 Fg
São Luis, *Brazil* 91 Jd
São Luis, I. de, *Brazil* 91 Jd
São Luiz Gonzaga, *Brazil* 92 Fc
São Mateus, *Brazil* 91 Kg
São Mateus do Sul, *Brazil* 92 Fc
São Miguel, I., *Atlantic Oc.* 78 Ba
Saona, I., *Rep. Dominicana* 89 Fc
Saône, R., *France* 52 Fc
Saône-et-Loire, dep., *France* 52 Fc
São Paulo, *Brazil* 91 Hh
São Paulo de Luanda, *Angola* 76 Cf
São Paulo de Olivença, *Brazil* 90 Dd
São Raimundo Nonato, *Brazil* 91 Je
São Romão, *Brazil* 90 De
São Sebastião, *Brazil* 90 Ee
São Sebastião & I. da, *Brazil* 91 Hh
São Simão, *Brazil* 91 Hh
São Tomé I., *G. of Guinea* 76 Bd
São Vicente, *Brazil* 91 Hh
Sapiéntza I., *Greece* 57 Cf
Saposoa, *Peru* 90 Be
Sapotnica, *Yugoslavia* 56 Cd
Sapporo, *Japan* 66 Gc
Sapri, *Italy* 55 Ee
Sapulpa, *Oklahoma* 84 Gd
Saqqez, *Iran* 72 Eb
Saragossa. See Zaragoza
Saraguro, *Ecuador* 90 Bd
Saraikela, *India* 71 Ed
Sarajevo, *Yugoslavia* 56 Bc
Sarala, *Russia* 58 Hc
Saranac Lake, *New York* 83 Jc
Sarandi del Yi, *Uruguay* 92 Ed
Sarangarh, *India* 69 Fd
Saransk, *Russia* 61 Gc
Sarapul, *Russia* 61 Lb
Sarasota, *Florida* 85 Kf
Saratoga L., *New York* 86 Da
Saratoga Springs, *New York* 86 Da
Saratov, *Russia* 61 Ge
Saratsi-ting, *China* 64 Eb
Sarawak, *Borneo* 63 Fk
Sarbaz, *Iran* 73 Hd
Sárbogárd, *Hungary* 49 He
Sarco, *Chile* 92 Bc
Sardarshahr, *India* 70 Df
Sardasht, *Iran* 72 Eb
Sardegna, I., *Italy* 55 Be
Sardhana, *India* 70 Ef
Sardinia. See Sardegna
Sardoal, *Portugal* 50 Ac
Sareks Nat. Park, *Sweden* 46 Gc
Sargans, *Switzerland* 45 Ea
Sari, *Iran* 73 Fb
Sarikamis, *Turkey* 72 Da
Sarina, *Queensland* 95 Jd
Sariñena, *Spain* 51 Eb
Sar-i-Pul, *Afghanistan* 73 Jb
Sar-i-pul, *Iran* 72 Ec
Sark, I., *Channel Islands* 52 Bb
Sarkad, *Hungary* 49 Je
Sarlat, *France* 53 Dd
Sarmi, *W. Irian* 63 Ll
Sarmiento, Mt., *Chile* 92 Bh
Sarna, *Sweden* 47 Ef
Sarnen, *Switzerland* 45 Db
Sarnia, *Ontario* 83 Ed
Sarno, *Italy* 55 Ee
Saronic G., *Greece* 57 Df
Saronno, *Italy* 54 Bc
Sarpsborg, *Norway* 47 Dg
Sarpul. See Shahsavar
Sarrebourg, *France* 52 Gb
Sarreguemines, *France* 52 Gb
Sarre Union, *France* 52 Gb
Sarria, *Spain* 50 Ba
Sart, *Belgium* 44 Dd
Sartene, *Corsica* 55 Be
Sarthe R. & dep., *France* 52 Dc
Sarufutsu, *Japan* 66 Hb
Saruru, *Japan* 66 Hc
Sarvar, *Hungary* 49 Ge
Sasa Baneh, *Ethiopia* 77 Jc
Sasaram, *India* 71 Ec
Sasebo, *Japan* 66 Ah
Saskatchewan, prov., *Canada* 80 Kf
Saskatchewan R. N., *Sask.* 80 Jf
Saskatchewan R. S., *Sask.* 80 Jf
Saskatoon, *Saskatchewan* 80 Kf
Saskylakh, *Russia* 59 La
Sasovo, *Russia* 61 Ec
Sassandra & R., *Ivory Coast* 78 Dh
Sassari, *Sardinia* 55 Be
Sassnitz, *Germany* 48 Ea
Sastre, *Argentina* 92 Dd
Sas-van-Gent, *Netherlands* 44 Bc
Satadougou, *Mali* 78 Cf
Satara, *India* 68 De
Säter, *Sweden* 47 Ff
Satevo, *Mexico* 88 Cb
Satins, *France* 52 Fc
Satka, *Russia* 61 Pc
Satkhira, *East Pakistan* 71 Gd
Satoraljaujhely, *Hungary* 49 Jd
Satpura Ra., *India* 68 Dd
Satu Mare, *Rumania* 49 Ke
Satun, *Thailand* 67 Ce
Sauda, *Norway* 47 Bg
Saudhárkrókur, *Iceland* 46 Wm
Saudi Arabia, *S.W. Asia* 72 De
Saugeen Pen., *Ontario* 83 Fc
Saugerties, *New York* 83 Kd
Saulieu, *France* 52 Fc
Sault Ste Marie, *Michigan* 83 Db
Sault Ste Marie, *Ontario* 83 Db
Saumur, *France* 52 Cc
Saunders, I., *S. Sandwich Is.* 100 Ad
Saurashtra. See Kathiawar
Sava, R., *Yugoslavia* 56 Bb
Savai'i, I., *Samoa* 98 Hj
Savanna, *Illinois* 83 Ad
Savannah, *Georgia* 85 Ke
Savannah R., *Georgia/S. Carolina* 85 Ke
Savannakhet, *Laos* 67 Cc
Savanna la Mar, *Jamaica* 89 Dc
Savantvadi, *India* 68 De
Savanur, *India* 68 Ef
Save, *Dahomey* 78 Fg
Save R., *Moçambique* 75 Ed
Saveh, *Iran* 73 Fb
Savenay, *France* 52 Cc
Savoie, dep., *France* 52 Gd
Savoie, prov., *France* 52 Gd
Savona, *Italy* 54 Bc
Savonlinna, *Finland* 46 Nf
Savu Sea, *Indonesia* 63 Hm
Savukoski, *Finland* 64 Nc
Sawa, S. *Yemen* 72 Ef
Sawqirah B., *Muscat & Oman* 73 Gf
Saxnäs, *Sweden* 46 Fd
Saxton, *Pennsylvania* 86 Ab
Saya, *Syria* 74 Db
Saya Buri. See Pak-lay
Sayan, *Peru* 90 Bf
Sayan, *Vostochnyy, Russia* 59 Jc
Sayan, *Zapadnyy, Russia* 59 Jc
Sayhut, S. *Yemen* 73 Ff
Sayre, *Pennsylvania* 86 Bb
Sayula, *Mexico* 88 Dd
Scafell Pike, *England* 31 Ef
Scalea, *Italy* 55 Ef
Scânteia, *Rumania* 56 Fa
Scanzano, *Italy* 55 Fe
Scapa Flow, *Orkney, Scot.* 30 Eb
Scarboro, *Maine* 82 Ce
Scarborough, *England* 31 Gf
Scărisoara, *Rumania* 56 Da
Scatari I., *Nova Scotia* 82 Jc
Schaffhausen & canton, *Switz.* 45 Da
Schelde, Ooster & Wester, *Netherlands* 44 Bc
Schenectady, *New York* 83 Jd
Scherpenheuvel, *Belgium* 44 Cd
Scheveningen, *Netherlands* 44 Cb
Schiedam, *Netherlands* 44 Cc
Schiermonnikoog I., *Netherlands* 44 Ea
Schiphol, *Netherlands* 44 Cb
Schleins, *Switzerland* 45 Fb
Schleswig, *Germany* 48 Ca
Schleswig-Holstein, *Germany* 48 Ca
Schneidemühl. See Piła
Schoharie, *New York* 86 Ca
Schönbuhl, *Switzerland* 45 Ca
Schönebeck, *Germany* 48 Dc
Schongau, *Germany* 48 De
Schoonhoven, *Netherlands* 44 Cc
Schötz, *Switzerland* 45 Da
Schouwen I., *Netherlands* 44 Bc
Schuchinsk, *Kazakhstan* 58 Gc
Schull, *Eire* 31 Aj
Schuls, *Switzerland* 45 Fb
Schüpfheim, *Switzerland* 45 Db
Schwabach, *Germany* 48 Dd
Schwägalp, *Switzerland* 45 Ea
Schwandorf, *Germany* 48 Ed
Schwaner Geb., *Borneo* 63 Fl
Schwarzhorn, Mt., *Switz.* 45 Cb
Schwarzwald, *Germany* 48 Cd
Schwedt, *Germany* 48 Fb
Schweidnitz. See Swidnica
Schweinfurt, *Germany* 48 Dc
Schwerin, *Germany* 48 Db
Schwyz & canton, *Switz.* 45 Da
Sciacca, *Sicily* 55 Dg
Scilly, Is. of, *England* 31 Cl
Scituate, *Massachusetts* 86 Ea
Scoresby, C., *N.-W. Terr.* 81 Nb
Scoresby Ld., *Greenland* 39 Nb
Scoresby Sd., *Greenland* 39 Nb
Scotia, *Ontario* 83 Gc
Scotia Sea, *Antarctica* 100 Td
Scotland, *Great Britain* 30 Dc
Scott, C., *Brit. Columbia* 80 Ff
Scott Inl., *N.-W. Territories* 81 Sb
Scott I., *Antarctica* 100 Mc
Scott, Mt., *Oregon* 84 Bc
Scottsbluff, *Nebraska* 84 Fc
Scottsdale, *Tasmania* 95 Jh
Scranton, *Pennsylvania* 83 Je
Scugog L., *Ontario* 83 Gc
Scutari. See Shkodër
Scutari. See Uskudar
Seaford, *Delaware* 83 Jf
Seahorse Pt., *N.-W. Terr.* 81 Qd
Sea Isle City, *New Jersey* 83 Jf
Seal R., *Manitoba* 80 Me
Sea Lion Is., *Falkland Is.* 92 Eh
Searchmont, *Ontario* 83 Db
Seattle, *Washington* 87 Bb
Sebago L., *Maine* 82 Ce
Sebastián Vizcaino, B. de, *Mexico* 88 Bb
Sebenico. See Sibenik
Sebewaing, *Michigan* 83 Ed
Sebha, *Libya* 79 Hc
Sebin Karahisar, *Turkey* 72 Ca
Sečovce, *Czechoslovakia* 49 Jd
Secretary I., *New Zealand* 93 Af
Secunderabad, *India* 68 Ee
Seda, *Lithuania* 47 Kh
Sedalia, *Missouri* 85 Hd
Sedan, *France* 52 Fb
Sedano, *Spain* 50 Da
Seddon, *New Zealand* 93 Ed
Seddonville, *New Zealand* 93 Cd
Sedhiou, *Senegal* 78 Bf
Sedom, *Israel* 74 Dl
Sedrun, *Switzerland* 45 Db
Seeheim, *S.-W. Africa* 75 Be
Seelisberg, *Switzerland* 45 Db
Sées, *France* 52 Db
Seewis, *Switzerland* 45 Eb
Sefrou, *Morocco* 78 Eb
Sefton, *New Zealand* 93 De
Sefton, Mt., *New Zealand* 93 Ce
Segorbe, *Spain* 51 Ec
Ségou, *Mali* 78 Df
Segovia, *Spain* 50 Cb
Segovia, R., *Nicaragua* 89 Cd
Séguela, *Ivory Coast* 78 Dg
Sehe. See Cha Thing Phra
Sehkuheh, *Iran* 73 Hc
Sehwan, *West Pakistan* 68 Cc
Seibo, *Rep. Dominicana* 89 Fc
Seiland, *Norway* 46 Ka
Seine, R., *France* 52 Db
Seine-et-Marne, dep., *France* 52 Eb
Seine-et-Oise, dep., *France* 52 Db
Seine Maritime, dep., *France* 52 Db
Seitler, *Russia* 60 Jj
Seiyala, *Egypt* 79 Md
Sekenke, *Tanzania* 77 Ge
Seki, *Japan* 66 Eg
Sekieshan I., *China* 65 Lg
Sekondi, *Ghana* 78 Eg
Sektyakh, *Russia* 59 Ma
Selby, *England* 31 Gg
Selemiya, *Syria* 74 Fb
Selenge, R., *Mong.-Russia* 59 Kd
Selima Oasis, *Sudan* 79 Ld
Selinsgrove, *Pennsylvania* 86 Bb
Selkirk, *Manitoba* 80 Mf
Selkirk & co., *Scotland* 30 Fe
Selkirk Mts., *Brit. Columbia* 80 Hl
Selle, Sa. de la, *Haiti* 89 Ec
Selles, *France* 52 Dc
Selma, *Alabama* 85 Je
Selous Mt., *Yukon* 80 Ed
Selva, *Argentina* 92 Dc
Selwyn, *Queensland* 95 Hd
Selwyn Ra., *Queensland* 95 Gd
Selwyn Ra., *Yukon* 80 Ed
Sem, *Norway* 47 Dg
Semarang, *Java* 63 Fm
Semawe, Jeb. See Har Sagi
Seminoe Res., *Wyoming* 84 Ec
Semipalatinsk, *Kazakhstan* 58 Hc
Semnan, *Iran* 73 Fb
Senador Pompeu, *Brazil* 91 Ke
Sena Madureira, *Brazil* 90 De
Sendai, *Japan* 66 Ge
Seneca L., *New York* 83 Hd
Seneca Falls, *New York* 86 Ba
Sénégal, *West Africa* 78 Bf
Sénégal R., *West Africa* 78 Ce
Senev, *Michigan* 83 Cb
Senga Hill, *Zambia* 77 Gf
Sengilei, *Russia* 61 Jd
Senhor do Bonfim, *Brazil* 91 Jf
Senise, *Italy* 55 Fe
Senj, *Yugoslavia* 54 Ec
Senja, *Norway* 46 Gb
Senneterre, *Quebec* 83 Ha
Sens, *France* 52 Eb
Senta, *Yugoslavia* 56 Cb
Sentinel Ra., *Antarctica* 100 Rb
Seondha, *India* 71 Bb
Seoni, *India* 71 Bd
Seoni-Malwa, *India* 71 Ad
Seoul. See Söul
Separation Pt., *New Zealand* 93 Dd
Sępólno, *Poland* 49 Gb
Sepulveda, *Spain* 50 Db
Sequeros, *Spain* 50 Bb
Sequoia Nat. Park., *Cal.* 87 Dg
Serai, *Syria* 74 Db
Serakhs, *Turkmenistan* 58 Fe
Seram I., *Indonesia* 63 Jl
Serampore, *India* 71 Gd
Serbia See Srbija
Serdeles, *Libya* 79 Hc
Serdobsk, *Russia* 61 Gd
Sergach, *Russia* 61 Gc
Sergiyevsk, *Russia* 61 Kc
Serifos, I., *Greece* 57 Ef
Sermata, I., *Indonesia* 63 Jm
Serov, *Russia* 58 Fc
Serowe, *Botswana* 75 Dd
Serpa, *Portugal* 50 Bd
Serpins, *Portugal* 50 Ab
Serpukhov, *Russia* 60 Kd
Sérrai, *Greece* 56 Dd
Serra San Bruno, *Italy* 55 Ff
Serrezuela, *Argentina* 92 Cd
Sertã, *Portugal* 50 Ac
Sertânia, *Brazil* 91 Ke
Sertig, *Switzerland* 45 Eb
Sérvia, *Greece* 57 Dd
Sesheke, *Zambia* 75 Cc
Sète, *France* 53 Ee
Sete Lagoas, *Brazil* 91 Jg
Setif, *Algeria* 78 Ga
Setubal, *Portugal* 50 Ac
Seul, Lac, *Ontario* 81 Nf
Sevan, Oz., *Armyanskaya S.S.R.* 58 Dd
Sevastopol, *Russia* 60 Hj
Sevelen, *Switzerland* 45 Ea
Seven Islands (Sept Iles), *Quebec* 82 Ea
Severac-le-Château, *France* 53 Ed
Severn, *Cape Province, S.A.* 75 Ce
Severn, *Ontario* 81 Pe
Severn R., *England* 31 Fj
Severn, R., *Ontario* 81 Pf
Severnaya Dvina, *Russia* 58 Db
Severnaya Zemlya, *Russia* 59 Ka
Sevier L., *Utah* 87 Gf
Sevilla, *Spain* 50 Cd
Seville. See Sevilla
Seward, *Alaska* 85 Ym
Seward Pen., *Alaska* 85 Wl
Seybaplaya, *Mexico* 88 Fd
Seychelles, Is., *Indian Ocean* 96 De
Seydhisfjördhur, *Iceland* 46 Za
Seyhan, *Turkey* 72 Cb
Seymchan, *Russia* 59 Qb
Seymour, *Indiana* 83 Df
Seyne, *France* 53 Gd
Sezanne, *France* 52 Eb
Sfakiá. See Khóra Sfakion
Sfântu Gheorghe, *Rumania* 56 Eb
Sfax, *Tunisia* 79 Hb
Sfira, *Syria* 74 Fa
Shaam, *Trucial States* 73 Gd
Shackleton, *Antarctica* 100 Ab
Shadegan, *Iran* 72 Ec
Shadrinsk, *Russia* 61 Rb
Shadwan, I., *Egypt* 79 Mc
Shaftesbury, *England* 31 Fj
Shag Rocks, *Atlantic Ocean* 100 Td
Shahabad, *India* 70 Ee
Shahabad, *India* 71 Cb
Shahba, *Syria* 74 Ee
Shahbandar, *West Pakistan* 68 Cd
Shahdād, *Iran* 73 Gc
Shahdadkot, *West Pakistan* 68 Cc
Shahdadpur, *West Pakistan* 68 Cc
Shahdara, *India* 70 Ef
Shahdheri, *West Pakistan* 70 Cd
Shahdol, *India* 71 Cd
Shahganj, *India* 71 Db
Shahhat, *Libya* 79 Kb
Shahin, *Iran* 72 Eb
Shahjahanpur, *India* 71 Bb
Shahjui, *Afghanistan* 73 Jc
Shahpur, *West Pakistan* 70 Cd
Shāhpūr, *Iran* 72 Db
Shahpura, *India* 68 Dc
Shahrakht, *Iran* 73 Hc
Shahr-e-Babak, *Iran* 73 Gc
Shahreza, *Iran* 73 Fc
Shahr-i-Zabul. See Zabol
Shahrud, *Iran* 73 Gb
Shahsavar, *Iran* 73 Fb
Shahsien, *China* 65 Hj
Shaiba, *Arabia* 72 Dd
Shajara, *Arabia* 72 Ee
Shakhty, *Russia* 61 Eg
Shakpets. See Shakubetsueki
Shakubetsueki, *Japan* 66 Hc
Shala L., *Ethiopia* 77 Hc
Shalasha, *Sudan* 79 Lf
Shamil, *Iran* 73 Gd
Shammar, Jabal, *Arabia* 72 Dd
Shamokin, *Pennsylvania* 83 He
Shanghai, *China* 64 Kg
Shangjao, *China* 65 Hh
Shangkiu, *China* 64 Ga
Shangtu, *China* 64 Fb
Shangyiu, *China* 65 Gk
Shan-hai-kwan. See Linyu
Shansien. See Sanmenhsia
Shannah, *Arabia* 73 Fl
Shannon, *Eire* 31 Bh
Shannon, *New Zealand* 93 Ed
Shannon, I., *Greenland* 39 Mb
Shannon R., *Eire* 31 Bg
Shansi, prov., *China* 64 Ec
Shantarskiye Os., *Russia* 59 Nc
Shantung Pen., *China* 62 Hc
Shantung, prov., *China* 64 Hd
Shaohing, *China* 65 Kg
Shaowu, *China* 65 Hj
Shaoyang, *China* 65 Ej
Shapinsay, I., *Orkney Is* 30 Fa
Shaqa, *Arabia* 72 Df
Shaqra, *Arabia* 72 Ed
Sharakpur, *West Pakistan* 70 De
Sharjah, *Trucial Oman* 73 Gd
Shark B., *W. Australia* 94 Be
Sharon, *P

Shasta Res., *California* 87 Ce
Shatra, *Iraq* 72 Ec
Shatt-al-Arab, *Iraq* 72 Ec
Shaubek, *Jordan* 74 Dg
Shawano, *Wisconsin* 83 Bc
Shawinigan, *Quebec* 83 Kb
Shawnee, *Oklahoma* 84 Gd
Shchors, *Ukraine* 60 Gf
Sheboygan, *Wisconsin* 83 Cd
Shediac, *New Brunswick* 82 Fc
Sheelin L., *Eire* 31 Cg
Sheenjik R., *Alaska* 80 Cc
Sheep Haven, *Eire* 30 Be
Sheerness, *England* 31 Hj
Sheffield, *England* 31 Gg
Sheffield, *New Zealand* 93 Ce
Sheikh, Jeb. esh, *Syria* 74 Dd
Sheikh 'Abd er Rahman, *S. Yemen* 72 Eg
Sheikh Miskin, *Syria* 74 Ee
Sheikh 'Othman, *S. Yemen* 72 Eg
Sheik Seraq, *Syria* 74 Fd
Shekha, *S. Yemen* 72 Ef
Shekhupura, *West Pakistan* 70 Ce
Sheklung, *China* 65 Fl
Shelburne, *Nova Scotia* 82 Fe
Shelburne, *Ontario* 83 Fc
Shelby, *Michigan* 83 Cd
Shelby, *Montana* 84 Db
Shelikhova, Zaliv, *Russia* 59 Qc
Shelter I., *New York* 86 Db
Shenandoah, *Pennsylvania* 86 Bb
Shenandoah Junct., *W. Va.* 86 Bc
Shenandoah Nat. Park, *Virginia* 85 Ld
Shenandoah R., *Virginia* 86 Bc
Shenchow. See Yüanling
Shendam, *Nigeria* 79 Gg
Shendi, *Sudan* 79 Me
Shëngjin, *Albania* 56 Bd
Shenkursk, *Russia* 58 Db
Shensi, prov., *China* 64 De
Shenyang, *China* 64 Lb
Sheopur, *India* 68 Ec
Shepetovka, *Ukraine* 60 Ef
Shepparton, *Victoria, Aust.* 95 Jg
Sherada, *Ethiopia* 77 Hc
Sherard Osborn Fd., *Greenland* 39 Pa
Sherbro I., *Sierra Leone* 78 Cg
Sherbrooke, *Quebec* 83 Lc
Sheridan, *Wyoming* 84 Ec
Sherman, *Texas* 84 Ge
Sherpur, *East Pakistan* 71 Gc
Sherridon, *Manitoba* 80 Le
Shetland, *Scotland* 34 Qb
Shevaroy Hills, *India* 68 Ef
Shiant Is., *Scotland* 30 Cc
Shibam, *S. Yemen* 72 Ef
Shibarghan, *Afghanistan* 73 Jb
Shibata, *Japan* 66 Ff
Shibetsi, *Japan* 66 Jc
Shibin el Kom, *Egypt* 79 Mb
Shickshock Mts., *Quebec* 82 Eb
Shiel L., *Scotland* 30 Dd
Shigatse, *Tibet* 69 Gc
Shihnan. See Enshih
Shih Pao Shan, *China* 62 Ee
Shihshow, *China* 65 Fh
Shihtao, *China* 64 Ld
Shihtsien, *China* 65 Dj
Shikarpur, *West Pakistan* 68 Cc
Shikohabad, *India* 71 Bb
Shikoku, I., *Japan* 66 Ch
Shilka & R., *Russia* 59 Lc
Shillelagh, *Eire* 31 Ch
Shillong, *India* 69 Hc
Shilongol. See Silinhot
Shimoga, *India* 68 Ef
Shimo Jima, *Japan* 66 Ah
Shimoni, *Kenya* 77 He
Shimonoseki, *Japan* 66 Bg
Shin L., *Scotland* 30 Eb
Shinas, *Muscat & Oman* 73 Ge
Shinghar, *West Pakistan* 70 Ae
Shingshal & Pass, *Kashmir* 70 Db
Shingu, *Japan* 66 Dh
Shinjo, *Japan* 66 Ge
Shinshar, *Syria* 74 Ec
Shinyanga, *Tanzania* 77 Ge
Shipets. See Shibetsi
Shippigan, *New Brunswick* 82 Fc
Shippigan I., *New Brunswick* 82 Fc
Shiraishi, *Japan* 66 Gf
Shiraz, *Iran* 73 Fd
Shireza, *West Pakistan* 68 Cc
Shisur, *Arabia* 73 Ff
Shiuhing. See Koyiu
Shivpuri, *India* 71 Ac
Shizugawa, *Japan* 66 Ge
Shizuoka, *Japan* 66 Fg
Shklov, *Belorussia* 60 Gd
Shkodër, *Albania* 56 Bc
Shoal Harbour, *Nfd.* 82 Lb
Shoka. See Changhua
Sholapur, *India* 68 Ee
Shonai. See Tsuruoka
Shorkot, *West Pakistan* 70 Ce
Short Mts., *West Virginia* 86 Ac
Shoshone Falls, *Idaho* 84 Dc
Shoshone Res., *Wyoming* 84 Ec
Shovo Tso, *Tibet* 69 Fb
Shreveport, *Louisiana* 85 He
Shrewsbury, *England* 31 Fh
Shropshire (Salop), co., England 31 Fh
Shtora, *Lebanon* 74 Dd
Shubenacadie, *Nova Scotia* 82 Gd
Shuikow, *China* 65 Jj
Shujaabad, *West Pakistan* 70 Bf
Shumagin Is., *Alaska* 85 Xm
Shumaisa, *Arabia* 72 Ee
Shumen. See Kolaovgrad
Shumerlya, *Russia* 61 Hc
Shunking. See Nanchung
Shunteh. See Singtai
Shuqra, *S. Yemen* 72 Eg
Shurab, *Iran* 73 Gc
Shurma, *Arabia* 72 De
Shuru Tso, *Tibet* 69 Gb
Shusf, *Iran* 73 Hc
Shushal, *Kashmir* 68 Eb
Shushtar, *Iran* 72 Ec
Shuya, *Russia* 61 Eb
Shuyang, *China* 64 Je
Shwebo, *Burma* 69 Jd
Shwedaung, *Burma* 69 Je
Shwegyin, *Burma* 69 Je
Shweli R., *Burma* 69 Jd
Sialkot, *West Pakistan* 70 Dd
Siam. See Thailand
Siam, G. of. See Thailand, G. of
Sian, *China* 64 De
Siangtan, *China* 65 Fj
Siangyang, *China* 64 Ff
Siangyin, *China* 65 Fh
Siapu, *China* 65 Jj
Siargao, I., *Philippines* 63 Jj
Siaton, *Philippines* 63 Hj
Šiauliai, *Lithuania* 47 Kj
Sib, *Muscat & Oman* 73 Ge
Sibenik, *Yugoslavia* 54 Ed
Siberut, I., *Indonesia* 63 Cl
Sibi, *West Pakistan* 68 Cc
Sibiu, *Rumania* 56 Eb
Sibolga, *Sumatra* 63 Ck
Sibsagar, *India* 69 Hc
Sibu, *Sarawak* 63 Fk
Sicasica, *Bolivia* 90 Dg
Sichang, *China* 62 De
Sicie C., *France* 53 Fe
Sicilia. I. See Sicily
Sicilian Chan., *Medit. Sea* 55 Cg
Sicily, I., *Italy* 55 Dg
Sicuani, *Peru* 90 Cf
Sid, *Yugoslavia* 56 Bb
Sideby, *Finland* 47 Je
Siderno Marina, *Italy* 55 Ff
Sidhout, *India* 68 Ef
Sidi Barrani, *Egypt* 79 Lb
Sidi-bel-Abbès, *Algeria* 78 Ea
Sidi Ifni, *Ifni, N.-W. Africa* 78 Cc
Sidlaw Hills, *Scotland* 30 Ed
Sidnaw, *Michigan* 83 Bb
Sidney, *New York* 83 Jd
Sidon, *Lebanon* 74 Dd
Sidri, Gulf of, *Libya* 79 Jb
Siedlce, *Poland* 49 Kb
Siegen, *Germany* 48 Cc
Siem-reap, *Cambodia* 67 Cd
Siena, *Italy* 54 Cd
Sieradz, *Poland* 49 Hc
Siero, *Spain* 50 Ca
Sierra Colorada, *Argentina* 92 Cf
Sierra Grande, *Argentina* 92 Cf
Sierra Leone, *W. Africa* 78 Cg
Sierra Madre, *Mexico* 88 Cb
Sierra Mojada, *Mexico* 88 Db
Sierra Rosaria, *Argentina* 92 Cf
Sifnos, I., *Greece* 57 Ef
Sigean, *France* 53 Ee
Sighet, *Rumania* 49 Ke
Sighisoara, *Rumania* 56 Ea
Siglufjördhur, *Iceland* 46 Wl
Sigmaringen, *Germany* 48 Cd
Sigsig, *Ecuador* 90 Bd
Sigüenza, *Spain* 50 Db
Siguiri, *Guinea* 78 Df
Sigulda, *Latvia* 47 Lh
Sihanoukville, *Cambodia* 63 Dh
Sihl See, *Switzerland* 45 Da
Sihsien, *China* 65 Jh
Siilinjärvi, *Finland* 46 Me
Sikandarabad, *India* 70 Ef
Sikandra Rao, *India* 71 Bb
Sikar, *India* 70 Dg
Sikasso, *Mali* 78 Df
Si Kiang, R., *China* 62 Ff
Siking. See Sian
Sikinos, I., *Greece* 57 Ef
Sikkim, *India* 71 Gb
Sila, La, *Italy* 55 Ff
Silairsk, *Russia* 61 Nd
Silao, *Mexico* 88 Dc
Silchar, *India* 69 Hd
Silenen, *Switzerland* 45 Db
Silenrieux, *Belgium* 44 Cd
Sil Garhi, *Nepal* 71 Ca
Silifke, *Turkey* 72 Bb
Silinhot, *China* 62 Gb
Silistra, *Bulgaria* 56 Fb
Siljan, L., *Sweden* 47 Ff
Silkeborg, *Denmark* 47 Ch
Silloth, *England* 30 Ef
Silv, *Switzerland* 45 Eb
Silvânia, *Brazil* 91 Hg
Silvaplana, *Switzerland* 45 Eb
Silva Porto, *Angola* 76 Dg
Silver L., *Oregon* 87 Cd
Silvercreek, *New York* 83 Gd
Silves, *Brazil* 90 Fd
Silves, *Portugal* 50 Ad
Silvretta, Mts., *Austria-Switz.* 48 Ce
Simard, L., *Quebec* 83 Gb
Simcoe, *Ontario* 83 Fd
Simcoe, L., *Ontario* 83 Gc
Simeulue, I., *Indonesia* 63 Ck
Simferopol, *Russia* 60 Jj
Simi, I., *Greece* 57 Ff
Simla, *India* 70 Ee
Simleul Silvaniei, *Rumania* 49 Ke
Simo, *Finland* 46 Ld
Simola, *Finland* 47 Nf
Simon, L., *Quebec* 83 Jc
Simpelveld, *Netherlands* 44 Dd
Simplon and Pass, *Switz.* 45 Db
Simpson, Fort, *N.-W. Terr.* 80 Gd
Simpson, C., *Alaska* 80 Ac
Simpson Desert, *Australia* 95 Ge
Simpson, I., *Chile* 92 Bg
Simuna, *Estonia* 47 Mg
Sinai, pen., *Egypt* 79 Mc
Sinaloa, state, *Mexico* 88 Cb
Sinaloa & R., *Mexico* 88 Cb
Sinamaica, *Venezuela* 90 Ca
Sinbo, *Burma* 69 Jd
Sinchang, *China* 65 Kh
Sin-chow, *China* 64 Gc
Sindel, *Bulgaria* 56 Fc
Sindhuli Garhi, *Nepal* 71 Eb
Sind Sagar Doab, *W. Pakistan* 70 Be
Sines, *Portugal* 50 Ad
Singa, *Sudan* 79 Mf
Singapore, & Str., *S.-E. Asia* 67 Cf
Singaradja, *Bali I., Indon.* 63 Gm
Singen, *Germany* 48 Ce
Singhana, *India* 70 Df
Singida, *Tanzania* 77 Ge
Singitic G., *Greece* 57 Dd
Singkawang, *Borneo* 63 Ek
Singkep, I., *Riouw Arch., Indon.* 63 Dl
Singora. See Songkhla
Singsingsia, *China* 62 Bb
Singtai, *China* 64 Gd
Singtze, *China* 65 Hh
Sinho, *China* 64 Gd
Sinhsien, *China* 62 Fc
Sinhwa, *China* 65 Ej
Sining, *China* 62 Dc
Siniscola, *Sardinia* 55 Be
Sinj, *Yugoslavia* 54 Fd
Sinjar, & Jebel, *Iraq* 72 Db
Sinjil, *Palestine* 74 De
Sinkiang, *China* 40 Hd
Sin-min-fu, *China* 64 Lb
Sinnamary, *Fr. Guiana* 91 Gb
Sinning, *China* 65 Ej
Sinoe L., *Rumania* 56 Gb
Sinoia, *Rhodesia* 75 Ec
Sinop, *Turkey* 72 Ca
Sintra, *Portugal* 50 Ac
Sinuiju, *Korea* 62 Hb
Sinyang, *China* 62 Fd
Sion, *Switzerland* 45 Cb
Sioux City, *Iowa* 84 Gc
Sioux Falls, *S. Dakota* 84 Gc
Sioux Lookout, *Ontario* 81 Nf
Siparia, *Trinidad* 90 Ea
Sipolilo, *Rhodesia* 75 Ec
Sipora, I., *Indonesia* 63 Cl
Siquisique, *Venezuela* 90 Da
Sira, *India* 68 Ef
Sira. See Siros, I.
Siracusa, *Sicily* 55 Eg
Sirajganj, *East Pakistan* 71 Gc
Sir Douglas, Mt., *Alberta* 80 Jf
Sir Edward Pellew Group, *N. Territory, Australia* 95 Gc
Siretul, R., *Rumania* 56 Fa
Sirhind, *India* 70 Ee
Siri, *Ethiopia* 77 Hc
Sirjan, *Iran* 73 Gd
Sirna, I., *Greece* 57 Ff
Sironcha, *India* 68 Ee
Sironj, *India* 68 Ed
Síros, I., *Greece* 57 Ef
Sirsa, *India* 70 Df
Sirsi, *India* 71 Ba
Sirsi, *India* 68 Df
Sirte & G. of, *Libya* 79 Jb
Sisak, *Yugoslavia* 54 Fc
Sisaket, *Thailand* 67 Cc
Sisal, *Mexico* 88 Fc
Sisi, *Botswana* 75 Dd
Sisopon, *Cambodia* 67 Cd
Sisteron, *France* 53 Fd
Sitamarhi, *India* 71 Eb
Sitamau, *India* 68 Ed
Sitapur, *India* 71 Cb
Sitara, *Arabia* 72 Ee
Sithonia, *Greece* 57 Dd
Sitía, *Crete* 57 Fg
Sitka, *Alaska* 85 Zm
Sitpur, *West Pakistan* 70 Bf
Sittang, *Burma* 69 Je
Sittang, R., *Burma* 69 Je
Sittard, *Netherlands* 44 Dd
Sitten. See Sion
Sivand, *Iran* 73 Fc
Sivas, *Turkey* 72 Cb
Siverek, *Turkey* 72 Cb
Sivrihisar, *Turkey* 72 Bb
Sivry, *Belgium* 44 Cd
Siwa, *Egypt* 79 Lc
Siwalik Hills, *India* 68 Eb
Siwan, *India* 71 Eb
Sjælland, *Denmark* 47 Dj
Sjötorp, *Sweden* 47 Eg
Skadarsko Jezero, *Yugosl.-Alb.* 56 Bc
Skagafjord, *Iceland* 46 Wl
Skagen, *Denmark* 47 Dh
Skagerrak, *Norway-Denmark* 47 Bh
Skagway, *Alaska* 85 Zm
Skaneateles, L., *New York* 86 Ba
Skara, *Sweden* 47 Eg
Skardu, *Kashmir* 70 Dc
Skarnes, *Norway* 47 Df
Skeena R., *Brit. Columbia* 80 Ff
Skegness, *England* 31 Hg
Skellefte Ålv, *Sweden* 46 Hd
Skellefteå, *Sweden* 46 Jd
Skiathos, I., *Greece* 57 De
Skibbereen, *Eire* 31 Aj
Skien, *Norway* 47 Cg
Skierniewice, *Poland* 49 Jc
Skiftet Kihti, *Finland* 47 Jf
Skikda, *Algeria* 53 Qh
Skipton, *England* 31 Fg
Skíros, I., *Greece* 57 Ee
Skive, *Denmark* 47 Ch
Skofja Loka, *Yugoslavia* 54 Eb
Skópelos, I., *Greece* 57 De
Skopin, *Russia* 60 Le
Skopje, *Yugoslavia* 56 Cc
Skövde, *Sweden* 47 Eg
Skovorodino, *Russia* 59 Mc
Skowhegan, *Maine* 82 Dd
Skradin, *Yugoslavia* 54 Ed
Skrunda, *Latvia* 47 Kh
Skudeneshavn, *Norway* 47 Ag
Skuodas, *Lithuania* 47 Jh
Skye, I., *Scotland* 30 Cc
Slagelse, *Denmark* 47 Dj
Slamet, Mt., *Java* 63 Em
Slaney R., *Eire* 31 Ch
Slatina, *Yugoslavia* 56 Ab
Slatina, *Rumania* 56 Eb
Slatington, *Pennsylvania* 86 Cb
Slave R., *N.-W. Territories* 80 Jd
Slăveni, *Rumania* 56 Eb
Slavgorod, *Russia* 58 Gc
Slavonia, *Yugoslavia* 56 Ab
Slavyansk, *Ukraine* 60 Kg
Slea Hd., *Eire* 31 Ah
Sleat, Sd. of, *Scotland* 30 Dc
Sleepers, The, *Hudson Bay, Canada* 81 Qe
Sleydinge, *Belgium* 44 Bc
Slide Mt., *New York* 83 Jd
Sliedrecht, *Netherlands* 44 Cc
Slieve Aughty, Mts., *Eire* 31 Bg
Slieve Bloom Mts., *Eire* 31 Bg
Slieve Mish, Mts., *Eire* 31 Ah
Sligo & co., *Eire* 31 Bf
Sligo B., *Eire* 31 Bf
Slite, *Sweden* 47 Hh
Sliven, *Bulgaria* 56 Fc
Slobodskoy, *Russia* 61 Ka
Sloka, *Latvia* 60 Cc
Slonim, *Belorussia* 60 De
Sloten, *Netherlands* 44 Db
Slough, *England* 31 Gj
Slovakia, *Czechoslovakia* 49 Hd
Slovenija, *Yugoslavia* 54 Ec
Slovensko, *Czechoslovakia* 49 Hd
Sluis, *Netherlands* 44 Bc
Sluiskil, *Netherlands* 44 Bc
Slunj, *Yugoslavia* 54 Ec
Slupsk, *Poland* 49 Ga
Slussfors, *Sweden* 46 Gd
Slutsk, *Belorussia* 60 Ee
Slyne Hd., *Eire* 31 Ag
Slyudyanka, *Russia* 59 Kc
Smethport, *Pennsylvania* 86 Ab
Smilde, *Netherlands* 44 Eb
Smiltene, *Latvia* 47 Lh
Smith, *Alberta* 80 Je
Smith B., *N.-W. Territories* 81 Ra
Smith B., Gt. Bear L., *N.-W. Territories, Aust.* 80 Gc
Smith I., *Quebec* 81 Rd
Smith, I., *South Shetlands* 100 Sc
Smithers, *British Columbia* 80 Ff
Smith Falls, *Ontario* 83 Hc
Smithton, *Tasmania* 95 Hh
Smoky R., *Alberta* 80 He
Smoky Hill R., *Kansas* 84 Fd
Smöla, *Norway* 46 Be
Smolensk, *Russia* 60 Hd
Smoothstone L., *Sask.* 80 Kf
Smyrna, *Turkey* 72 Ab
Snaefell, *Isle of Man* 31 Df
Snake, R. & Canyon, *Washington, etc.* 87 Db
Snake R., *Yukon* 80 Ec
Snares Is., *New Zealand* 93 Ah
Snåsa, *Norway* 46 Ed
Snåsa Vatn, *Norway* 46 Dd
Sneek, *Netherlands* 44 Da
Sneen, *Eire* 31 Aj
Sneeuw Gebergte, *W. Irian* 63 Ll
Snizort L., *Scotland* 30 Cc
Snöhetta, Mt., *Norway* 46 Ce
Snow Pk. See Medicine Bow Pk.
Snowdon, *Wales* 31 Eg
Snow Water L., *Nevada* 84 Dc
Snowy Mts., *Vict.-N.S.W.* 95 Jg
Soasiu, *Moluccas* 63 Jk
Soazza, *Switzerland* 45 Eb
Sobakin, *Russia* 61 Jd
Sobrado, *Brazil* 91 Ge
Sobral, *Brazil* 91 Jd
Sobrance, *Czechoslovakia* 49 Kd
Sobraon, *India* 70 De
Society Is., *Pacific Ocean* 99 Kj
Socorro, *Colombia* 90 Cb
Socorro, *New Mexico* 84 Ee
Socorro I., *Mexico* 88 Bd
Socotra I., *Indian Ocean* 77 Lb
Soc-trang, *S. Vietnam* 67 De
Sodankylä, *Finland* 46 Mc
Söderfors, *Sweden* 47 Gf
Söderhamn, *Sweden* 47 Gf
Söderköping, *Sweden* 47 Gg
Södertälje, *Sweden* 47 Gg
Sodiri, *Sudan* 79 Lf
Sodus, *New York* 86 Ba
Sodus Pt., *New York* 86 Ba
Soepiori, I., *W. Irian* 63 Ll
Soest, *Germany* 48 Cc
Soest, *Netherlands* 44 Db
Sofiya, *Bulgaria* 56 Dc
Sogamosa, *Colombia* 90 Cb
Sogndal, *Norway* 47 Bg
Sognefjord, *Norway* 47 Af
Söğut, *Turkey* 72 Ba
Sohag, *Egypt* 79 Mc
Sohagpur, *India* 71 Cd
Sohan R., *West Pakistan* 70 Cd
Sohar, *Muscat & Oman* 73 Ge
Sohawal, *India* 71 Cc
Soheb, *S. Yemen* 72 Eg
Sohna, *India* 70 Ef
Soignies, *Belgium* 44 Cd
Soissons, *France* 52 Eb
Soke, *Turkey* 72 Ab
Sok Gomba. See Pachen
Sok Karmalinsk, *Russia* 61 Lc
Sokode, *Togo* 78 Fg
Sokol, *Russia* 60 Lb
Sokolo, *Mali* 78 Df
Sokota, *Ethiopia* 77 Hb
Sokoto, *Nigeria* 78 Ff
Solai, *Kenya* 77 Hd
Solbad Hall, *Austria* 48 De
Soledad, *Venezuela* 90 Eb
Soledade, *Brazil* 90 De
Solent, The, *England* 31 Gk
Solenzara, *Corsica* 55 Be
Sol Iletsk, *Russia* 58 Ec
Solimoes, R. See Amazonas
Solingen, *Germany* 48 Bc
Sollefteå, *Sweden* 46 Ge
Sollum. See Salûm
Solok, *Sumatra* 63 Dl
Solomon Is., *Pacific Ocean* 98 Eh
Solomon R., *Kansas* 84 Gd
Solon, *India* 70 Ee
Solothurn & canton, *Switz.* 45 Ca
Solsona, *Spain* 51 Fa
Solstad, *Norway* 46 Dd
Soltau, *Germany* 48 Cb
Solund, I., *Norway* 47 Af
Solway Firth, *Eng.-Scot.* 30 Ef
Solwezi, *Zambia* 76 Fg
Soma, *Turkey* 72 Ab
Somali Republic, *E. Africa* 77 Jd
Sombor, *Yugoslavia* 56 Bb
Sombreiro Chan., *Nicobar I.* 69 Hg
Sombrerete, *Mexico* 88 Dc
Sombrero, I., *Leeward Is.* 89 Gc
Somcuţa Mare, *Rumania* 49 Ke
Someren, *Netherlands* 44 Dc
Somerset, *Pennsylvania* 83 Ge
Somerset, *Queensland* 95 Hb
Somerset, co., *England* 31 Ej
Somerset I., *N.-W. Terr.* 80 Nb
Somerset Res., *Vermont* 86 Da
Somerville, *New Jersey* 86 Cb
Somme, *Belgium* 44 Dd
Somme, dep., *France* 52 Eb
Somme, R., *France* 52 Da
Sommieres, *France* 53 Fe
Somoto, *Nicaragua* 89 Bd
Somovit, *Bulgaria* 56 Ec
Somzee, *Belgium* 44 Cd
Son R., *India* 71 Ec
Sonamukhi, *India* 71 Fd
Sonbarsa, *India* 71 Fc
Sönderborg, *Denmark* 47 Cj
Sonepat, *India* 70 Ef
Song-Cau, *S. Vietnam* 67 Dd
Songea, *Tanzania* 77 Hg
Songkhla, *Thailand* 67 Ce
Song-koi, R., *N. Vietnam* 67 Cb
Sonhat, *India* 71 Dd
Sonkajärvi, *Finland* 46 Me
Sonkovo, *Russia* 60 Kc
Sonmiani, *West Pakistan* 68 Cc
Sonneberg, *Germany* 48 Dc
Sonogno, *Switzerland* 45 Db
Sonora, state & R., *Mexico* 88 Bb
Sonoyta, *Mexico* 88 Ba
Sonpur, *India* 69 Fd
Sonpur, *India* 71 Ec
Sonson, *Colombia* 90 Bb
Soochow, *China* 64 Kg
Soping. See Yuyu
Soppero, *Sweden* 46 Jb
Sopron, *Hungary* 54 Fb
Sopur, *Kashmir* 70 Dc
Sora, *Italy* 55 De
Sorata, *Bolivia* 90 Dg
Sorbas, *Spain* 51 Dd
Sorell, *Tasmania* 95 Jh
Sörenberg, *Switzerland* 45 Db
Sörfold, *Norway* 46 Fc
Sorgono, *Sardinia* 55 Be
Soria, *Spain* 51 Db
Soriano, *Uruguay* 92 Ed
Sornico, *Switzerland* 45 Db
Sorocaba, *Brazil* 91 Hh
Soroka, *Russia* 61 Ld
Soroki, *Moldavia* 60 Fg
Sorol, I., *Caroline Is.* 98 Cg
Soromesis, *Botswana* 75 Cc
Soron, *India* 71 Bb
Sorong, *W. Irian* 63 Kl
Sororoca, *Brazil* 90 Ec
Soroti, *Uganda* 77 Gd
Söröy, I., *Norway* 46 Ka
Sorrento, *Italy* 55 Ee
Sorsele, *Sweden* 46 Gd
Sortavala, *Karelia* 46 Pf
Sosnovka, *Russia* 61 Ed
Sosnovo Ozerskoye, *Russia* 59 Lc
Sosnowiec, *Poland* 49 Hc
Sosva, *Russia* 58 Fc
Soto la Marina, *Mexico* 88 Ec
Sotra, I., *Norway* 47 Af
Sotuta, *Mexico* 88 Gc
Souanke, *French Congo* 76 Cd
Soudan, *West Africa* 78 De
Soudan, *N. Terr., Australia* 95 Gd
Souflion, *Greece* 56 Fd
Souillac, *France* 53 Dd
Sŏul, *Korea* 62 Jc
Sour El Ghozlane, *Algeria* 78 Fa
Soure, *Brazil* 91 Hd
Soure, *Portugal* 50 Ab
Souris, *Manitoba* 80 Lg
Souris, *Prince Edward I.* 82 Gc
Sousel, *Brazil* 91 Gd
Sousse, *Tunisia* 79 Ha
Souterraine, la, *France* 52 Dc
South B., *N.-W. Territories* 81 Qd
South Downs, *England* 31 Gk
South I., *New Zealand* 93 Be
South Africa, Rep. of, *Africa* 75 Ce
Southampton, *England* 31 Fk
Southampton, *New York* 83 Ke
Southampton, *Ontario* 83 Fc
Southampton, C., *N.-W. Territories Aust.* 81 Qd
Southampton I., *N.-W. Terr.* 81 Qd
South Arabia, Federation & Protectorate 72 Eg
South Australia, state, *Aust.* 94 Fe
South Bend, *Indiana* 83 Ce
South Bend, *Washington* 87 Bb
Southbridge, *Massachusetts* 86 Da
Southbridge, *New Zealand* 93 De
South Carolina, state, *U.S.A.* 85 Ke
South China Sea, *Asia* 41 Kh
South Dakota, state, *U.S.A.* 84 Fc
South-East C., *Tasmania* 95 Jh
Southend, *England* 31 Hj
Southern Alps, *New Zealand* 93 Bf
Southern Cross, *W. Aust.* 94 Cf
Southern Ocean, *Antarctica* 100 Cc
Southern Rhodesia. See Rhodesia
South Georgia, I., *Atlantic Ocean* 100 Ad
South Hadley Falls, *Mass.* 86 Da
South Haven, *Michigan* 83 Cd
South Indian L., *Manitoba* 80 Me
South Magnetic Pole 100 Jc
South Milwaukee, *Wisconsin* 83 Cd
South Nahanni R., *N.-W. Territories Aust.* 80 Fd
South Orkneys, Is., *Atl. Oc.* 100 Tc
South Paris, *Maine* 82 Cd
South Polar Plateau, *Antarc.* 100 Ma
South Pole, *Antarctica* 100 a
Southport, *England* 31 Eg
Southport, *Prince Edward I.* 82 Gc
Southport, *Queensland* 95 Ke
South River, *New Jersey* 86 Cb
South River, *Ontario* 83 Gc
South Ronaldsay, I., *Orkney* 30 Fb
South Sandwich, Is., *Atl. Oc.* 100 Ad
South Shetlands Is., *Antarc.* 100 Tc
South Shields, *England* 30 Gf
South Thule, I., *South Sandwich Is.* 100 Ad
South-West C., *Tasmania* 95 Jh
South-West Africa, *S. Africa* 75 Bd
Southwold, *England* 31 Jh
South Yemen, Republic of, *S.-W. Asia* 72 Dg
Souza, *Brazil* 91 Ke
Souzel, *Portugal* 50 Bc
Sovetsk, *Russia* 47 Jj
Sovetskaya Gavan, *Russia* 59 Pd
Sovietsk, *Russia* 61 Jb
Soy, *Kenya* 77 Hd
Soya & B., *Japan* 66 Gb
Soya Str., *Japan* 66 Gb
Soya Misaki, *Japan* 66 Hb
Soyopa, *Mexico* 88 Cb
Spa, *Belgium* 44 Dd
Spain, *W. Europe* 43 Fh
Spalato. See Split
Spalding, *England* 31 Gh
Spandau, *Germany* 48 Eb
Spanish, *Ontario* 83 Eb
Spanish Fork, *Utah* 84 Dd
Spanish Guinea, *Cent. Afr.* 76 Bd
Spanish Sahara, *W. Africa* 78 Cc
Spanish Town, *Jamaica* 89 Dc
Sparks, *Nevada* 87 Df
Sparta. See Sparti
Sparta, *Wisconsin* 83 Ad
Spartanburg, *S. Carolina* 85 Ke
Sparti, *Greece* 57 Df
Spartivento C., *Italy* 55 Fg
Spassk, *Russia* 61 Fd
Spassk Dal'niy, *Russia* 59 Nd
Spassk Dal'niy, *Russia* 62 Kb
Spassk-Ryazanskiy, *Russia* 61 Ec
Spence Bay, *N.-W. Terr.* 81 Nc
Spencer G., *S. Australia* 95 Gf
Spenser Mts., *New Zealand* 93 De
Sperrin Mts., *N. Ireland* 31 Cf
Spétsai I., *Greece* 57 Df
Spey R., *Scotland* 30 Ec
Speyer, *Germany* 48 Cd
Spezand, *West Pakistan* 68 Cb
Spezia, La, *Italy* 54 Bc
Spinazzola, *Italy* 55 Fe
Spiringen, *Switzerland* 45 Db
Spitsbergen, *Arctic Ocean* 58 Aa
Spitsbergen, Vest, *Arctic Oc.* 58 Aa
Spittal, *Austria* 48 Ee
Split, *Yugoslavia* 54 Fd
Split L., *Manitoba* 80 Me
Splügen, *Switzerland* 45 Eb
Splügen Pass, *Switz.-Italy* 45 Eb
Spokane, *Washington* 87 Eb
Spoleto, *Italy* 54 Dd
Spontin, *Belgium* 44 Cd
Sporadhes, *Aegean Sea* 57 Ff
Sporadhes, Voriai, *Aegean Sea* 57 Ee
Spree R., *Germany* 48 Eb
Spremberg, *Germany* 48 Fc
Sprimont, *Belgium* 44 Dd
Springbok, *Cape Province* 75 Be
Springburn, *N. Zealand* 93 Ce
Springfield, *Illinois* 83 Bf
Springfield, *Massachusetts* 83 Kd
Springfield, *Missouri* 85 Hd
Springfield, *Ohio* 83 Ef
Springfield, *Vermont* 86 Da
Springfontein, *O.F.S.* 75 Df
Springhill, *Nova Scotia* 82 Gd
Springsure, *Queensland* 95 Jd
Springville, *New York* 83 Gd
Springville, *Utah* 84 Dc
Spruce Brook, *Nfd.* 82 Jb
Spruce Knob, *W. Virginia* 86 Ac
Spruga, *Switzerland* 45 Db
Squillace, G. di, *Italy* 55 Ff
Srbija, *Yugoslavia* 56 Cc
Srebrenica, *Yugoslavia* 56 Bb
Sredinnyy, Khrebet, Mts., *Russia* 59 Rc
Sredne Kamchatsk, *Russia* 59 Rc
Sredne Kolymak, *Russia* 59 Qb
Sredne Vilyuysk, *Russia* 59 Mb
Śrem, *Poland* 49 Gb
Srepok, *Cambodia* 67 Dd
Sretensk, *Russia* 59 Lc
Srikakulam, *India* 69 Fe
Sri Madhopur, *India* 70 Dg
Srinagarh, *Kashmir* 70 Dc
Srirangapatna, *India* 68 Ef
Srivilliputtur, *India* 68 Eg
Srnetica, *Yugoslavia* 54 Fc
Środa, *Poland* 49 Gb
Stackpool, *Ontario* 83 Fb
Stadacona, *Quebec* 83 Kb
Staden, *Belgium* 44 Ad
Staffa I., *Scotland* 30 Cd
Stafford & co., *England* 31 Fh
Stalingrad. See Volgograd
Stalino, *Russia* 59 Jb
Stambaugh, *Michigan* 83 Bb
Stamford, *Connecticut* 83 Ke
Stamprooi, *Netherlands* 44 Dc
Stanchik, *Russia* 59 Qa
Standerton, *Transvaal* 75 De
Standish, *Michigan* 83 Dd
Stanislav. See Ivano-Frankovsk
Stanley, *Falkland Is.* 92 Eh
Stanley Falls, *Congo* 76 Fd
Stanleyville. See Kisangani
Stann Creek, *Brit. Honduras* 89 Bc
Stanovoy Khrebet, Mts., *Russia* 59 Mc
Stans, *Switzerland* 45 Db
Stansmore Ra., *W. Australia* 94 Ed
Stanthorpe, *Queensland* 95 Ke
Stanton, *Michigan* 83 Dd
Stanton, *N.-W. Terr., Aust.* 80 Fc
Staphorst, *Netherlands* 44 Eb
Starachowice, *Poland* 49 Jc
Stara Planina, *Bulgaria* 56 Ec
Staraya Russa, *Russia* 60 Gc
Stara Zagora, *Bulgaria* 56 Ec
Starbuck, I., *Pacific Ocean* 99 Kh
Stargard, *Poland* 48 Fb
Star'obelks, *Ukraine* 60 Lg
Starodub, *Russia* 60 He
Starogard, *Poland* 49 Hb
Staro Konstantinov, *Ukraine* 60 Eg
Staryy Oskol, *Russia* 60 Kf
Staten I., *New York* 86 Cb
Staten I. See Estados, I.
Stattlandet, *Norway* 46 Ae
Staunton, *Virginia* 85 Ld
Stavanger, *Norway* 47 Ag
Stavelot, *Belgium* 44 Dd
Stavenisse, *Netherlands* 44 Cc
Stavern, *Norway* 47 Dg
Staveren, *Netherlands* 44 Db
Stavropol, *Russia* 58 Dd
Steckborn, *Switzerland* 45 Da
Steelton, *Pennsylvania* 86 Bb
Steenbergen, *Netherlands* 44 Cc
Stenekool, *W. Irian* 63 Kl
Steensel, *Netherlands* 44 Dc
Steenwijk, *Netherlands* 44 Eb
Stefanie L., *Ethiopia* 77 Hd
Stefansson I., *N.-W. Terr.* 80 Kb
Steiermark, prov., *Austria* 48 Fe
Stein, *Switzerland* 45 Da
Steinkjer, *Norway* 46 De
Stekene, *Belgium* 44 Cc
Stellarton, *Nova Scotia* 82 Gd
Stenay, *France* 52 Fb
Stendal, *Germany* 48 Db
Stenträsk, *Sweden* 46 Hc
Stephenson, *Michigan* 83 Cc
Stephenville, *Newfoundland* 82 Jb
Stepnoy. See Elista
Stepnyak, *Kazakhstan* 58 Gc
Sterea, *Greece* 57 Ce
Sterling, *Colorado* 84 Fc
Sterling, *Illinois* 83 Be
Sterlitamak, *Russia* 61 Md
Sternberk, *Czechoslovakia* 49 Gd
Sterrebeek, *Belgium* 44 Cd
Stettin. See Szczecin
Stettler, *Alberta* 80 Jf
Steubenville, *Ohio* 83 Fe
Stevens Point, *Wisconsin* 83 Bc
Stewart, *Brit. Columbia* 80 Fe
Stewart I., *Chile* 92 Bh
Stewart Is., *New Zealand* 93 Ag
Stewart R., *Yukon* 80 Dd
Stewart River, *Yukon* 80 Dd
Stewart Sd., *Andaman Is.* 69 Hf
Steyr, *Austria* 48 Fd
Stia, *Italy* 54 Cd
Stikine R., *Brit. Columbia* 80 Ee
Stillwater, *Minnesota* 85 Hb
Stimlje, *

Stockholm, Sweden 47 Hg
Stockport, England 31 Fg
Stockton, California 87 Cg
Stockton-on-Tees, England 31 Gf
Stoke-on-Trent, England 31 Fg
Stolbovaya, Russia 59 Qb
Stolp. See Slupsk
Ston, Yugoslavia 54 Fd
Stonehaven, Scotland 30 Fd
Stony L., Ontario 83 Gc
Stor Sjön, Sweden 46 Fe
Stora Lulevatten, Sweden 46 Hc
Stora Sjöfallets Nat. Park, Sweden 46 Gc
Storavan, Sweden 46 Hd
Stord, I., Norway 47 Ag
Stören, Norway 46 De
Storforshei, Norway 46 Fc
Storlien, Sweden 46 De
Stornoway, Scotland 30 Cb
Storsund, Sweden 46 Jd
Storuman, Sweden 46 Gd
Storvik, Sweden 47 Gf
Stowmarket, England 31 Hh
Strabane, N. Ireland 31 Cf
Strachan, Quebec 83 Ja
Strachan I., Papua 95 Ha
Strahan, Tasmania 95 Hh
Stralsund, Germany 48 Ea
Strand, Norway 47 Bg
Stranda, Norway 46 Be
Strange, Norway 47 Df
Strangford L., N. Ireland 31 Df
Strangways Springs, S. Australia 95 Ge
Stranraer, Scotland 31 Df
Strasbourg, France 52 Gb
Strasburg, Virginia 86 Ac
Strässa, Sweden 47 Fg
Stratford, Connecticut 86 Db
Stratford, Michigan 83 Dc
Stratford, New Zealand 93 Ec
Stratford, Ontario 83 Fd
Stratford-on-Avon, England 31 Fh
Strathcona Park, B.C. 80 Fg
Strathroy, Ontario 83 Fd
Straubing, Germany 48 Ed
Strbské Pleso, Czech. 49 Jd
Streaky B., S. Australia 95 Ff
Streator, Illinois 83 Be
Strelka, Russia 59 Qb
Strelka, Russia 59 Kb
Strelka, Russia 59 Jc
Strenči, Latvia 47 Lh
Stribro, Czechoslovakia 48 Ed
Strijbeek, Netherlands 44 Cc
Strijen, Netherlands 44 Cc
Strimón, G. of, Greece 57 Ed
Stromboli, I., Italy 55 Ef
Stromeferry, Scotland 30 Dc
Stromness, Orkney 30 Eb
Strömsberg, Sweden 47 Gf
Strömsbruk, Sweden 47 Gf
Strömstad, Sweden 47 Dg
Strömsund, Sweden 46 Fe
Ströms Vattudäl, Sweden 46 Fd
Strömtorp, Sweden 47 Fg
Strongoli, Italy 55 Ff
Stronsay I., Orkney 30 Fa
Stroud, England 31 Fj
Stroudsburg, Pennsylvania 86 Cb
Struga, Yugoslavia 56 Cd
Struma, R., Bulg.-Greece 56 Dd
Strumica, Yugoslavia 56 Dd
Stryy, Ukraine 60 Cg
Strzelin, Poland 49 Gc
Stuart Ra., S. Australia 95 Fe
Stuart Highway, N.Terr., Australia 95 Fc
Stugun, Sweden 46 Fe
Stung-Treng, Cambodia 67 Dd
Sturgeon Bay, Wisconsin 83 Cc
Sturgeon Falls, Ontario 83 Gb
Sturt Desert, S. Aust., etc. 95 He
Stuttgart, Germany 48 Cd
Suakin, Sudan 79 Ne
Suancheng, China 64 Jg
Süan-hwa, China 64 Gb
Suaqui, Mexico 88 Cb
Subeimanieh. See Karaj
Subh, Jebel, Arabia 72 Ce
Subotica, Yugoslavia 56 Ba
Sucha, Poland 49 Hd
Suchan, Russia 59 Nd
Suchow. See Tungshan
Sucre, Bolivia 90 Dg
Sudan, Africa 79 Lf
Sudbury, England 31 Hh
Sudbury, Ontario 83 Fb
Suddie, Guyana 90 Fb
Sudety, Mts , Czech., etc. 49 Fc
Sudharam, East Pakistan 69 Hd
Suez, Egypt 79 Mc
Suez Canal, Egypt 79 Mb
Suez, Gulf of, Egypt 79 Mc
Suíeina, Arabia 72 De
Suffolk, Virginia 85 Ld
Suffolk, co., England 31 Hh
Suhl, Germany 48 Dc
Suifu. See Ipin
Suihwa, China 62 Ja
Suining, China 64 Hf
Suipacha, Bolivia 90 Dh
Suiteh, China 64 Ed
Sujangarh, India 70 Dg
Sujanpur, India 70 Dd
Sujanpur, India 70 Ee
Sujica, Yugoslavia 54 Fd
Sukadana, Borneo 63 Fl
Sukhothai, Thailand 67 Bc
Sukhumi, Gruzinskaya S.S.R. 58 Dd
Sukkur, W. Pakistan 68 Cc
Sukow, China 64 Fd
Sukumo, Japan 66 Ch
Sulaiman Ra., W. Pakistan 68 Db
Sulaimiya, Arabia 72 Ee
Sulaiyil, Arabia 72 Ee
Sulawesi, Celebes 63 Gl
Sulaymānīya, Iraq 72 Eb
Sulęcin, Poland 48 Fb
Sulgen, Switzerland 45 Ea
Sulina, Rumania 56 Gb
Sulitelma, Mt., Norway 46 Gc
Sullana, Peru 90 Ad
Sulmona, Italy 55 Dd
Sultan Bulak. See Razan
Sultan Dagh, Turkey 72 Bb
Sultan Hamud, Kenya 77 He
Sultaniyeh, Iran 72 Eb
Sultanpur, India 71 Db
Sultanpur, India 70 De
Sulu Arch., Philippines 63 Hj
Sulu Kep., Indonesia 63 Jl
Sulu Sea, Philippines 63 Gj
Sumagawa, Japan 66 Hc
Sumatra, I., Indonesia 63 Ck
Sumba, I., Indonesia 63 Gm
Sumbawa, I., Indonesia 63 Gm
Sumbur, Mongolia 62 Ea
Sumburgh Hd., Shetland Is. 30 Jb
Sümeg, Hungary 49 Ge
Sumiswald, Switzerland 45 Ca
Summerside, Pr. Edward I. 82 Gc
Sumperk, Czechoslovakia 49 Gd
Sumprabum, Burma 69 Jc
Sumter, S. Carolina 85 Ke
Sumy, Ukraine 60 Jf
Suna, Tanzania 77 Gf
Sunapee L., New Hampshire 86 Da
Sunart L., Scotland 30 Dd
Sunbury, Pennsylvania 83 He
Suncho Corral, Argentina 92 Dc
Sunchow. See Kweiping
Suncook, New Hampshire 83 Ld
Sunda Str., Indonesia 63 Dm
Sundargarh, India 71 Ed
Sunderland, England 30 Gf
Sundridge, Ontario 83 Gc
Sundsvall, Sweden 46 Ge
Sungari Res., China 62 Jb
Sungari R., China 62 Ha
Sungkiang, China 64 Kg
Sunndal, Norway 46 Ce
Suntar, Russia 59 Lb
Sunyani, Ghana 78 Eg
Suonenjoki, Finland 46 Me
Supaul, India 71 Fb
Superior, Wisconsin 85 Hb
Superior, L., U.S.A.-Canada 85 Jb
Suq ash Shuyukh, Iraq 72 Ec
Sur, Muscat & Oman 73 Ge
Sur. See Tyre
Sura R., Russia 61 Hc
Surab, W. Pakistan 68 Cc
Surabajo, Java 63 Fm
Surajgarh, India 70 Df
Surakarta, Java 63 Fm
Suran, Syria 74 Eb
Surapur, India 68 Ee
Surat, India 68 Dd
Suratgarh, India 70 Df
Surat Thani, Thailand 67 Be
Surendranagar, India 68 Dd
Surgères, France 52 Cc
Surgut, Russia 58 Gb
Suri, India 71 Fd
Surigao Str., Philippines 63 Jj
Surin, Thailand 67 Cd
Surinam, rep., S. America 91 Fc
Suriname, R., Surinam 91 Fc
Suriya, S. Yemen 72 Eg
Surling, Mt. See Bonom Mhai, Mts.
Surrey, co., England 31 Gj
Surtsey, I., Iceland 46 Vn
Sursee, Switzerland 45 Da
Sursk, Ukraine 60 Jg
Süs, Switzerland 45 Fb
Susa, Iran 72 Ec
Susak, Yugoslavia 54 Ec
Susquehanna R., Pa., etc. 83 Hf
Sussex, New Brunswick 82 Fd
Sussex, co., England 31 Gk
Susteren, Netherlands 44 Dc
Sutherland, Cape Province 75 Cf
Sutherland, co., Scotland 30 Db
Suting. See Tahsien
Sutlej R., West Pakistan 70 Ce
Sutsien, China 64 Jf
Sutton, Ontario 83 Gc
Suure Jaani, Estonia 47 Lg
Suvavesi, Finland 46 Ne
Suvorov, I., Pacific Ocean 98 Jj
Suwair, Arabia 72 Dc
Suwałki, Poland 49 Ka
Suwayh, Muscat & Oman 73 Ge
Suwayq, Muscat & Oman 73 Ge
Suweilih, Jordan 74 De
Suwo Nada, Japan 66 Bh
Suzu, Japan 66 Ef
Svalbard, Arctic Ocean 58 Aa
Svanstein, Sweden 46 Kc
Svappavaara, Sweden 46 Jc
Svärholt, Halvöy, Norway 46 La
Svartenhuk Pen., Greenland 39 Pb
Svartisen, Norway 46 Ec
Svartvik, Sweden 46 Ge
Svekšna, Lithuania 47 Jj
Svendborg, Denmark 47 Dj
Sverdlovsk, Russia 61 Qb
Sverdrup Is., N.-W. Terr. 80 La
Sverdrup, Os., Russia 58 Ga
Svetogorsk, Russia 47 Nf
Svetozarevo, Yugoslavia 56 Cc
Svishtov, Bulgaria 56 Ec
Svitavy, Czechoslovakia 49 Gd
Svīyazhsk, Russia 61 Jc
Svobodny, Russia 59 Mc
Svolvær, Norway 46 Fb
Swabi, West Pakistan 70 Cc
Swakopmund, S.-W. Africa 75 Ad
Swale R., England 31 Ff
Swan, R., W. Australia 94 Cf
Swan Hill, Victoria, Aust. 95 Hg
Swan River, Manitoba 80 Lf
Swansea, Tasmania 95 Jh
Swansea & B., Wales 31 Ej
Swanton, Vermont 83 Kc
Swarzewo, Poland 49 Ha
Swastika, Ontario 83 Fa
Swat & R., West Pakistan 70 Cc
Swatow, China 65 Hl
Swaziland, S. Africa 75 Ee
Sweden, N.-W. Europe 42 Lc
Swellendam, Cape Province 75 Cf
Swidnica, Poland 49 Gc
Swietochlowice, Poland 49 Hc
Swift Current, Saskatchewan 80 Kf
Swilly L., Eire 30 Be
Swinburne, C., N.-W. Terr. 81 Mb
Swindon, England 31 Fj
Swinemünde. See Swinoujście
Swinoujście, Poland 48 Fa
Switzerland, Central Europe 43 Jg
Swords, Eire 31 Cg
Syas'stroy, Russia 60 Ha
Sycamore, Illinois 83 Bd
Sydney, New South Wales 95 Kf
Sydney, Nova Scotia 82 Hc
Sydney Mines, Nova Scotia 82 Hc
Sydproven, Greenland 39 Pd
Syeti Vrach, Bulgaria 56 Dd
Syktyvkar, Russia 58 Eb
Sylhet, East Pakistan 69 Hd
Sylt, I., Germany 47 Cj
Sylte, Norway 46 Be
Syracuse, New York 86 Ba
Syracuse. See Siracusa, Sicily
Syr Darya, Kazakhskaya 58 Fd
Syria, W. Asia 72 Cb
Syrian Desert Iraq, etc. 72 Cc
Sysert, Russia 61 Qb
Syurkum, Russia 59 Pc
Syzran, Russia 61 Jd
Szarvas, Hungary 49 Je
Szczecin, Poland 48 Fb
Szczecinek, Poland 49 Gb
Szczecinski, Zal., Ger.-Pol. 48 Fb
Szczytno, Poland 49 Jb
Szechwan, prov., China 64 Ag
Szeged, Hungary 56 Ca
Székesféheryar, Hungary 49 He
Szekszard, Hungary 56 Ba
Szemao, China 62 Df
Szeming. See Amoy
Szenan, China 65 Dj
Szengen, China 65 Dl
Szentes, Hungary 49 Je
Szolnok, Hungary 49 Je
Szombathely, Hungary 54 Fb
Szreńsk, Poland 49 Jb
Szprotawa, Poland 49 Fc
Taba, Arabia 72 Dd
Tabala, Arabia 72 Df
Tabas, Iran 73 Gc
Tabasara, Sierra de, Panama 89 Ce
Tabasco, state, Mexico 88 Fd
Tabas Sunnikhane, Iran 73 Hc
Tabatinga, Brazil 90 Dd
Tabelbala, Algeria 78 Ec
Table Mt., Cape Province 75 Bf
Taboleiro, Brazil 90 Fe
Tábor, Czechoslovakia 48 Fd
Tabora, Tanzania 77 Ge
Tabora, Tanzania 77 Gf
Tabriz, Iran 72 Eb
Tabu, Ivory Coast 78 Dh
Tabuk, Arabia 72 Cd
Tabut, S. Yemen 73 Ff
Tacambaro, Mexico 88 Dd
Tache, L., N.-W. Terr. 80 Gd
Tacloban, Philippines 63 Hh
Tacna, Peru 90 Cg
Taco, Argentina 92 Dc
Tacoma, Washington 87 Bb
Taconic Mts., N.Y.-Mass. 86 Da
Tacuarembó, Uruguay 92 Ed
Tadjoura & G. of, Fr. Som. 77 Jb
Tadoussac, Quebec 82 Db
Tadzhikskaya rep., U.S.S.R. 58 Fe
Taegu, Korea 62 Jc
Taejŏn, Korea 62 Jc
Tafalla, Spain 51 Ea
Taff R., Wales 31 Ej
Tafila, Jordan 74 Dg
Taft, Iran 73 Fc
Taftville, Connecticut 86 Db
Taganrog & G., Russia 60 Lh
Taga Zong, Bhutan 69 Hc
Tagdempt, Algeria 78 Fa
Tagish, Yukon 80 Ed
Taguá, Brazil 91 Jf
Tagula, I., Papua 95 Kb
Tagus, R. See Tajo R.
Tahakopa, New Zealand 93 Bg
Ta Hao, China 65 Fl
Tahat Mt., Algeria 78 Gd
Tahcheng, China 59 Hd
Ta Hingan Ling, China 62 Ha
Tahiti, I., Society Islands 99 Kj
Tahoe, L., California 87 Cf
Tahora, New Zealand 93 Ec
Tahoua, Niger 78 Gf
Tahsien, China 64 Cg
Tahta, Egypt 79 Mc
Tahuna, Indonesia 63 Jk
Tai-an, China 64 Hd
Taichow. See Linhai
Taichung, Taiwan 65 Kk
Taieri, R., New Zealand 93 Cf
Taïf, Arabia 72 De
Tai-hang-shan, China 64 Fd
Taihape, New Zealand 93 Ec
Taihsien, China 64 Kf
Taihsien, China 64 Fc
Tai Hu, China 64 Jg
Taiku, China 64 Fd
Taima, Arabia 72 Cd
Tainan, Taiwan 65 Kl
Taipale, Finland 46 Ne
Taipei, Taiwan 65 Kk
Taiping, W. Malaysia 67 Cf
Taiping. See Tangtu
Taipingchwan, China 62 Hb
Taipinght. See Wanyuan
Taira, Japan 66 Gf
Tairadate Str., Japan 66 Gd
Taishan I., China 65 Lg
Taishet, Russia 59 Jc
Taishun, China 65 Jj
Taitao, Pen. de, Chile 92 Bg
Taiwan, I., China 62 Hf
Taiwan Hai Hsia, China 62 Gf
Taiwara, Afghanistan 73 Hc
Taiyetos, Mts., Greece 57 Df
Taiyiba, Jordan 74 Dg
Taiyuan, China 64 Fd
Ta'izz, Yemen 72 Dg
Tajan. Borneo 63 Fl
Tajo, R., Spain-Portugal 50 Bc
Tajrish, Iran 73 Fb
Tajumulco, Mt., Guatemala 88 Fd
Tak, Thailand 67 Bc
Takada, Japan 66 Ff
Takahashi, Japan 66 Cg
Takaka, New Zealand 93 Dd
Takamatsu, Japan 66 Dg
Takao. See Kaohsiung
Takaoka, Japan 66 Ef
Takapuna, New Zealand 93 Eb
Takasaki, Japan 66 Ff
Takaungu, Kenya 77 He
Takayama, Japan 66 Ef
Takefu, Japan 66 Eg
Takhta Bazar, Turkmen. 58 Fe
Takht-i-Sulaiman, West Pakistan 70 Be
Takingeun, Sumatra 63 Ck
Takla L., British Columbia 80 Fe
Takla Makan, des., China 58 He
Takoradi, Ghana 78 Eh
Ta-ku, China 64 Hc
Takuapa, Thailand 67 Be
Talagang, W. Pakistan 70 Cd
Talaimanar, Ceylon 68 Eg
Talar Ra., West Pakistan 68 Bc
Talara, Peru 90 Ad
Talasski Ala Tau, Kirgizia 58 Gd
Talavera de la Reina, Spain 50 Cc
Talca, Chile 92 Be
Talcahuano, Chile 92 Be
Taldy Kurgan, Kazakhstan 58 Gd
Tali, China 64 De
Tali, China 62 Ce
Taliabu, I., Indonesia 63 Hl
Talien, China 64 Kc
Taliwang, Sumbawa I., Indon. 63 Gm
Tallahessee, Florida 85 Ke
Tallata-Mafara, Nigeria 78 Gf
Tallinn, Estonia 47 Lg
Talmenka, Russia 58 Hc
Talou Shan, China 62 Ee
Talsi, Latvia 47 Kh
Taltal, Chile 92 Bc
Tamale, Ghana 78 Eg
Tamanrasset, Algeria 78 Gd
Tamaqua, Pennsylvania 86 Cb
Tamarite de Litera, Spain 51 Fb
Tamási, Hungary 49 He
Tamatave, Madagascar 77 Nk
Tamaulipas, state, Mexico 88 Ec
Tamaya, Chile 92 Bd
Tamba, Rhodesia 75 Dd
Tambach, Kenya 77 Hd
Tambacounda, Senegal 78 Cf
Tambo, Queensland 95 Jd
Tambo de Mora, Peru 90 Bf
Tambohorano, Madagascar 77 Mk
Tamboril, Brazil 91 Jd
Tambov, Russia 61 Ed
Tambura, Sudan 79 Lg
Tame, Colombia 90 Cb
Tamel Aiken, Argentina 92 Bg
Tamiahua & L., Mexico 88 Ec
Ta-ming, China 64 Gd
Tamins, Switzerland 45 Eb
Tamluk, India 71 Fd
Tammisaari, Finland 47 Kg
Tammu, Burma 69 Hd
Tampa and B., Florida 85 Kf
Tampere, Finland 47 Kf
Tampico, Mexico 88 Ec
Tamra, Arabia 72 Ee
Tamsalu, Estonia 47 Mg
Tamtsak Bulak, Mongolia 62 Ga
Tamworth, New S. Wales 95 Kf
Tana Fd., Norway 46 Na
Tana, I., New Hebrides 98 Fj
Tana L., Ethiopia 77 Hb
Tana, R., Norway 46 Mb
Tanabe, Japan 66 Dh
Tanabu, Japan 66 Gd
Tanaga I., Aleutian Is. 85 Vm
Tanah Merah, W. Malaysia 67 Ce
Tanami, N. Terr., Australia 94 Ec
Tanana, Alaska 85 Xl
Tanana, R., Alaska 85 Yl
Tananarive (Antananarivo), Madagascar 77 Nk
Tancheng, China 64 Je
Tanda, India 71 Db
Tanda Urmar, India 70 De
Tandil, Argentina 92 Ee
Tandjung, Java, Indonesia 63 Em
Tandjungpandan, Indonesia 63 El
Tandjungredeb, Borneo 63 Gk
Tandjungselor, Borneo 63 Gk
Taneatua, New Zealand 93 Fc
Tanegashima Kaikyo, Japan 66 Bj
Tanega shima, Japan 66 Bj
Tanen-taung-gyi Mts., Thailand-Burma 67 Bc
Tanga, Tanzania 77 Hf
Tanganyika. See Tanzania
Tanganyika, L., Congo, etc. 77 Ff
Tangen, Norway 47 Df
Tanger, Morocco 78 Da
Tangermünde, Germany 48 Eb
Tangier. See Tanger
Tang-shan, China 64 Jc
Tangshan, China 64 He
Tangtu, China 64 Jg
Tangui, Russia 59 Kc
Tanimbar Kep., Indonesia 63 Km
Tank, West Pakistan 68 Db
Tankapirtti, Finland 46 Mb
Tankse, Kashmir 68 Eb
Tännäs, Sweden 46 Ee
Tannenberg, Poland 49 Jb
Tanta, Egypt 79 Mb
Tanzania, East Africa 77 Gf
Tao, Burma 69 Hd
Taoan, China 62 Ha
Taofu, China 62 Dd
Taormina, Sicily 55 Eg
Tapa, Estonia 47 Lg
Tapachula, Mexico 88 Fe
Tapah, West Malaysia 67 Cf
Tapajos, R., Brazil 91 Fd
Tapalque, Argentina 92 De
Tapan, Sumatra 63 Dl
Tapanui, New Zealand 93 Bf
Tapa Shan, China 64 Df
Tapauá, Brazil 90 Ee
Taplang Dzong, Nepal 71 Fb
Tapti R., India 68 Ed
Tapuaenuku, Mt., N.Z. 93 Dd
Taqa, Muscat & Oman 73 Ff
Taquara, Brazil 92 Fc
Taquaritinga, Brazil 91 Ke
Tara, Russia 58 Gc
Tārabulus esh Shām. See Tripoli
Taradale, New Zealand 93 Fc
Tarahumare, Sa., Mexico 88 Cb
Tarakan, Borneo 63 Gk
Tarakli, Turkey 72 Ba
Taranaki Bight, N., N.Z. 93 Dc
Taranaki Bight, S., N.Z. 93 Dc
Tarancón, Spain 50 Db
Taranto, Italy 55 Fe
Taranto, G. di, Italy 55 Ff
Tarapoto, Peru 90 Be
Taraqua, Brazil 90 Dd
Tararua Ra., New Zealand 93 Ed
Tarascon, France 53 De
Tarasp, Switzerland 45 Fb
Tarata, Peru 90 Cg
Tarauaca, Brazil 90 Ce
Tarawa, I., Gilbert Is. 98 Gg
Tarawera, New Zealand 93 Fc
Tarazona, Spain 51 Eb
Tarazona de la Mancha, Sp. 51 Ec
Tarbagatai Khrebet, Kazakhskaya S.S.R. 58 Hd
Tarbat Ness, Scotland 30 Ec
Tarbert, Scotland 30 De
Tarbert, Scotland 30 Cc
Tarbes, France 53 De
Tarchan, Tibet 68 Fb
Tarcoola, S. Australia 95 Ff
Taree, New South Wales 95 Kf
Tärendö, Sweden 46 Kc
Târgoviste, Rumania 56 Eb
Tarija, Bolivia 90 Eh
Tarim, Arabia 72 Ef
Tarlac, Philippines 63 Hh
Tarma, Peru 90 Bf
Tarn, dep. & R., France 53 Ee
Tärna, Sweden 46 Fd
Tarn-et-Garonne, dep., Fr. 53 Dd
Tarnobrzeg, Poland 49 Jc
Tarnów, Poland 49 Jc
Tarnowskie Gory, Poland 49 Hc
Tarn Taran, India 70 De
Taroom, Queensland 95 Je
Taroudant, Morocco 78 Db
Tarragona, Spain 51 Fb
Tarrega, Spain 51 Fb
Tarsale, Russia 58 Gb
Tarso Muri, Mt. See Kegueur Tedi
Tarsus, Turkey 72 Bb
Tartagal, Argentina 90 Eh
Tartas, France 53 Ce
Tartu, Estonia 47 Mg
Tartus, Syria 74 Dc
Tarum, Iran 73 Gd
Taseevo, Russia 59 Jc
Taseko Ls., Brit. Columbia 80 Gf
Tashi Bhup Tso, Tibet 69 Fb
Tashihto, China 62 Bb
Tashkent, Uzbekskaya S.S.R. 58 Fd
Tashkurghan, Afghanistan 73 Jb
Tash Kurghan, China 70 Db
Tashmalik, China 70 Da
Tasil, Syria 74 De
Taskan, Russia 59 Qb
Tasköpru. See Gökçeağac
Tasman B., New Zealand 93 Dd
Tasman, Mt., New Zealand 93 Ce
Tasman Mts., New Zealand 93 Dd
Tasmania I. & state, Aust. 95 Jh
Tassgong, Bhutan 69 Hc
Tata, Hungary 49 He
Tatakoto, Tuamotu Arch. 99 Mj
Tatarsk, Russia 58 Gc
Tatarskaya, aut. rep., Russia 58 Ec
Tatarskiy Proliv, Russia 59 Pd
Tathlina, L., N.-W. Terr. 80 Hd
Tating, China 65 Bj
Tatinnai L., N.-W. Terr. 80 Md
Tatnam C., Manitoba 81 Ne
Tatranská Lomnica, Czech. 49 Jd
Tatry, Mts., Poland-Czech. 49 Hd
Tatta, West Pakistan 68 Cd
Tatu R., China 62 Dd
Tatuhi, Brazil 91 Hh
Tatung, China 64 Fb
Tatung Ho, R., China 62 Dc
Taua, Brazil 91 Je
Tauapeçaçú, Brazil 90 Ed
Taubate, Brazil 91 Hh
Taumarunui, New Zealand 93 Ec
Taungdwingyi, Burma 69 Jd
Taung-gyi, Burma 69 Jd
Taungup, Burma 69 He
Taunton, England 31 Ek
Taunton, Massachusetts 83 Le
Taunus, Mts., Germany 48 Cc
Taupo & L., New Zealand 93 Fc
Taurage, Lithuania 47 Kj
Tauranga & Harbour New Zealand 93 Fb
Tauste, Spain 51 Eb
Tauysk, Russia 59 Pc
Tavda, Russia 58 Fc
Taverne, Switzerland 45 Db
Tavistock, England 31 Ek
Tavolara, I., Sardinia 55 Be
Tavoy & R., Burma 69 Jf
Tavoy I., Burma 69 Jf
Tavsanli, Turkey 72 Ab
Tawang, India 69 Hc
Tawas City, Michigan 83 Ec
Tawau, N. Borneo 63 Gk
Tawitawi, I., Philippines 63 Hj
Taxco, Mexico 88 Ed
Tay, Firth of & R., Scotland 30 Ed
Tay L., Scotland 30 Ed
Tayga, Russia 58 Hc
Taymyr, Ozero, Russia 59 Ka
Taytay, Philippines 63 Gh
Tayü, China 65 Gk
Tayung, China 65 Eh
Taza, Morocco 78 Eb
Tazovskaya G., Russia 58 Gb
Tazovskoye, Russia 58 Gb
Tbilisi, Gruzinskaya S.S.R. 58 Dd
Tchad. See Chad, rep.
Tchad, L. See Chad, L.
Tchaourou, Dahomey 78 Fg
Tczew, Poland 49 Ha
Te Anau, L., New Zealand 93 Af
Teano Ra., W. Australia 94 Cd
Teapa, Mexico 88 Fd
Te Aroha, New Zealand 93 Eb
Tea Tree, Northern Territories, Australia 95 Fd
Te Awamutu, New Zealand 93 Eb
Teboursouk, Tunisia 79 Ga
Tebyulyakh, Russia 59 Pb
Tecamachalco, Mexico 88 Ed
Tecka & R., Argentina 92 Bf
Tecolutla, Mexico 88 Ec
Tecpan, Mexico 88 Dd
Tecumseh, Michigan 83 Ed
Tedzhen, Turkmenistan 58 Fe
Tees R., England 31 Gf
Tegerhi, Libya 79 Hd
Tegucigalpa, Honduras 89 Bd
Tehchow, China 64 Hd
Tehran, Iran 73 Fb
Tehri, India 68 Eb
Tehsien. See Tehchow
Tehuacan, Mexico 88 Ed
Tehuantepec, Mexico 88 Ed
Tehuantepec, G. of, Mexico 88 Ed
Tehuantepec, Isthmus of, Mexico 88 Ed
Teian. See Anlu
Teifi R., Wales 31 Eh
Teign R., England 31 Ek
Tejo R., Portugal 50 Bc
Tekapo, L., New Zealand 93 Cc
Te Karaka, New Zealand 93 Fc
Tekari, India 71 Ec
Tekirdag, Turkey 72 Aa
Te Kuiti, New Zealand 93 Ec
Tela, Honduras 89 Bc
Tel Aviv-Yafo, Israel 74 Ce
Telegraph Creek, B.C. 80 Ee
Telen, Argentina 92 Ce
Telkalakh, Syria 74 Ec
Tell Bise, Syria 74 Ec
Tellicherry, India 68 Ef
Telok Anson, W. Malaysia 67 Cf
Teloloapan, Mexico 88 Ed
Telpos-iz, Russia 58 Eb
Telsen, Argentina 92 Cf
Telshyay, Lithuania 47 Kj
Telukbetung, Sumatra 63 Em
Tembeling, W. Malaysia 67 Cf
Temblador, Venezuela 90 Eb
Temesvar. See Timisoara
Temir, Kazakhskaya S.S.R. 58 Ed
Temir Tau, Russia 58 Hc
Temiscouata, L., Quebec 82 Dc
Temnikov, Russia 61 Fc
Temosachic, Mexico 88 Cb
Tempio, Sardinia 55 Be
Temple, Texas 84 Ge
Temse, Belgium 44 Cc
Temta, Russia 61 Gb
Temuco, Chile 92 Be
Temuka, New Zealand 93 Cf
Tenanzingo, Mexico 88 Ed
Tenasique, Mexico 88 Fd
Tenasserim, Burma 69 Jf
Tenasserim R., Burma 69 Jf
Tenby, Wales 31 Dj
Ten Degree Channel, Andaman Islands 69 Hg
Tenerife, I., Canary Is. 78 Bc
Ténès, Algeria 78 Fa
Tengchow. See Penglai
Tengiz, Oz., Kazakhskaya 58 Fc
Tenke, Congo 76 Fg
Tennant's Creek, N. Territory, Australia 95 Fc
Tennessee, state, U.S.A. 85 Jd
Tennessee Pass, Colorado 84 Ed
Tennessee R., Tennessee etc. 85 Jd
Tenterfield, New S. Wales 95 Ke
Ten Thousand Is., Florida 85 Kf
Ten Thousand Smokes, Val. of, Alaska 85 Xm
Teocaltiche, Mexico 88 Dc
Téophilo Otoni, Brazil 91 Jg
Tepatitlan, Mexico 88 Dc
Tepehuanes, Mexico 88 Cb
Tepelene, Albania 57 Cd
Tepic, Mexico 88 Dc
Teramo, Italy 54 Dd
Ter Apel, Netherlands 44 Eb
Terban Jebel, Arabia 72 Df
Terborg, Netherlands 44 Ec
Terenceville, Newfoundland 82 Lc
Teresina, Brazil 91 Je
Teressa I., Nicobar Is. 69 Hg
Terezin, Czechoslovakia 48 Fc
Teri, West Pakistan 70 Bd
Teri Nam Tso, Tibet 69 Gb
Termez, Uzbekskaya S.S.R. 58 Fe
Termini Imerese, Sicily 55 Df
Termoli, Italy 55 Ee
Termonde, Belgium 44 Cc
Ternate, Halmahera I. 63 Jk
Terneuzen, Netherlands 44 Bc
Terni, Italy 54 Dd
Ternopol, Ukraine 60 Dg
Terpeniya. Zal, Russia 59 Pd
Terrace British Columbia 80 Ff
Terracina, Italy 55 De
Terralba, Sardinia 55 Bf
Terra Nova, Newfoundland 82 Lb
Terra Santa, Brazil 91 Fd
Terre Adélie, Antarctica 100 Kc
Terre Haute, Indiana 83 Cf
Terror Mt., Antarctica 100 Lb
Terschelling I., Netherlands 44 Da
Teruel, Spain 51 Eb
Tervola, Finland 46 Lc
Tervuren, Belgium 44 Cd
Teshekpuk, L., Alaska 80 Ab
Teshio, Japan 66 Hb
Teslin, Yukon 80 Ed
Teslin L., Yukon 00 Ed
Teslin R., Yukon 80 Ed
Tessaoua, Niger 78 Gf
Tessenderloo, Belgium 44 Dc
Tetas, Pta., Chile 92 Bb
Tete, Moçambique 75 Ec
Tetuán, Morocco 78 Da
Tetyukhe, Russia 59 Nd
Tetyushi, Russia 61 Jc
Teulada, Sardinia 55 Bf
Teulada C., Sardinia 55 Bf
Teutoburger Wald, Germany 48 Bb
Tevere. See Tiber
Teviot R., Scotland 30 Fe
Tevriz Russia 58 Gc
Te Waewae B., N. Zealand 93 Ag
Texarkana, Arkansas 85 He
Texas, state, U.S.A. 84 Fe
Texcoco, Mexico 88 Ed
Texel I., Netherlands 44 Ca
Tezpur, India 69 Hc
Thachap Kangri, Tibet 68 Fb
Thadiq, Arabia 72 Ed
Thailand, S.E. Asia 67 Cc
Thailand, G. of, S.E. Asia 63 Dh
Thakhek, Laos 67 Cc
Thal, West Pakistan 70 Bd
Thale Sap, L., Thailand 67 Cd
Thalkirch, Switzerland 45 Eb
Thames, New Zealand 93 Eb
Thames, Firth of, N.Z. 93 Eb
Thames R., Connecticut 86 Db
Thames R., England 31 Hj
Thana, India 68 De
Thanesar, India 70 Ef
Thanh-hoa, N. Vietnam 67 Dc
Thanjavur, India 68 Ef
Thann, France 52 Gc
Thar Des., India 68 Dc
Thargomindah, Qnsld. 95 He
Tharrawaddy, Burma 69 Je
Tharsis, Spain 50 Bd
Thásos I., Greece 57 Ed
Thásos Str., Greece 57 Ed
Thaton, Burma 69 Je
Thaungdut, Burma 69 Hd
Thayetmyo, Burma 69 He
Thazi, Burma 69 Jd
Thelon R., N.-W. Terr. 80 Ld
Theodore, Queensland 95 Ke
Thérmai, G. of, Greece 57 Dd
Thermiá. See Kithnos, I.
Thesprotía, Greece 57 Ce
Thessalia, Greece 57 De
Thessaloníki, Greece 57 Dd
Thetford, England 31 Hh

Thetford Mines, *Quebec* 83 Lb
Theux, *Belgium* 44 Dd
Thief River Falls, *Minnesota* 84 Gb
Thielsen, Mt., *Oregon* 87 Cd
Thielt, *Belgium* 44 Bc
Thiers, *France* 52 Ed
Thies, *Senegal* 78 Bf
Thimbu, *Assam* 69 Gc
Thingvalla vatn, *Iceland* 46 Vm
Thio, *Eritrea* 77 Jb
Thionville, *France* 52 Gb
Thíra, I., *Greece* 57 Ef
Thirsk, *England* 31 Gf
Thirtyone Mile L., *Quebec* 83 Jb
Thisted, *Denmark* 47 Ch
Thistilfjord, *Iceland* 46 Yl
Thityabin, *Burma* 69 Jd
Thiviers, *France* 52 Dd
Thjórsá, R., *Iceland* 46 Wm
Thok Jalung, *Tibet* 68 Fb
Thomastown, *Eire* 31 Ch
Thomasville, *Georgia* 85 Ke
Thompson, *Manitoba* 80 Me
Thompsonville, *Connecticut* 86 Db
Thomson, R., *Queensland* 95 Hd
Thomson Ville, *Michigan* 83 Cc
Thongwa, *Burma* 69 Je
Thorn. See Torun
Thornhill, *Scotland* 30 Ee
Thorshavn, *Færöe Is.* 42 Fc
Thórshöfn, *Iceland* 46 Yl
Thouars, *France* 52 Cc
Thourout, *Belgium* 44 Bc
Thousand Isles, *New York* 83 Jc
Thraki, Dhitiki, *Greece* 56 Ed
Three Kings Is., *N.Z.* 93 Da
Three Points C., *Ghana* 78 Eh
Three Rivers, *Michigan* 83 Cd
Three Rivers. See Trois Rivières
Throssel Ra., *W. Australia* 94 Dd
Thueyts, *France* 53 Fd
Thuin, *Belgium* 44 Cd
Thule, *Greenland* 81 Ta
Thun, *Switzerland* 45 Cb
Thunder B., *Michigan* 83 Ec
Thuner See, *Switzerland* 45 Cb
Thur, R., *Switzerland* 45 Da
Thurgau, canton, *Switz.* 45 Da
Thüringer Wald, *Germany* 48 Dc
Thurles, *Eire* 31 Bh
Thursday I., *Queensland* 95 Hb
Thurso, *Scotland* 30 Eb
Thusis, *Switzerland* 45 Eb
Tiassale, *Ivory Coast* 78 Dg
Tibati, *Cameroon* 79 Hg
Tiber, R., *Italy* 54 Dd
Tiberias & L., *Israel* 74 De
Tibet, *S. Asia* 40 He
Tiburon, *Haiti* 89 Ec
Tiburon I., *Mexico* 88 Bb
Ticino, canton, *Switzerland* 45 Db
Ticonderoga, *New York* 83 Kd
Ticul, *Mexico* 88 Gc
Tidjikja, *Mauritania* 78 Ce
Tiebissou, *Ivory Coast* 78 Dg
Tiefencastel, *Switzerland* 45 Eb
Tieh-ling, *China* 64 La
Tiel, *Netherlands* 44 Dc
Tielt, *Belgium* 44 Bc
Tien Chih, *China* 62 Df
Tien-ching. See Tientsin
Tien-chwang-tai, *China* 64 Kb
Tienen. See Tirlemont
Tienpao, *China* 65 Cl
Tienpaoshan, *China* 64 Hb
Tiensha Pass, *China* 64 Ce
Tienshai, *China* 64 Be
Tien Shan, *Central Asia* 58 Gd
Tienshui, *China* 62 Ed
Tientsin, *China* 64 Hc
Tiermas, *Spain* 51 Ea
Tierra del Fuego, *Chile-Argentina* 92 Ch
Tiffin, *Ohio* 83 Ee
Tigănesti, *Rumania* 56 Fb
Tighina. See Bendery
Tigil, *Russia* 59 Qc
Tignish, *Prince Edward I.* 82 Gc
Tigris, R., *Iraq* 72 Ec
Tijoca, *Brazil* 91 Hd
Tijuana, *Mexico* 84 Ce
Tikhvin, *Russia* 60 Hb
Tikrit, *Iraq* 72 Dc
Tiksi, *Russia* 59 Ma
Tilburg, *Netherlands* 44 Dc
Tilbury, *England* 31 Hj
Tilcara, *Argentina* 92 Cb
Tilichiki, *Russia* 59 Rb
Tillamook, *Oregon* 87 Ac
Tillangchong I., *Nicobar Is.* 69 Hg
Tillsonburg, *Ontario* 83 Fd
Tilos, I., *Greece* 57 Ff
Tilsit. See Sovetsk
Timanski Kryazh, *Russia* 58 Eb
Timaru, *New Zealand* 93 Cf
Timbuktu. See Tombouctou
Timiskaming, *Quebec* 83 Gb
Timisoara, *Rumania* 56 Cb
Timmins, *Ontario* 83 Fa
Timor, I. & Sea, *Indonesia* 63 Hn
Timote, *Argentina* 92 De
Tinaca Pt., *Philippines* 63 Jj
Tindouf, *Algeria* 78 Dc
Tineo, *Spain* 50 Ba
Tingchow. See Changting
Tinghsien. *China* 64 Gc
Tingnan, *China* 65 Gk
Tingo Maria, *Peru* 90 Be
Tingri Dzong, *Tibet* 69 Gc
Tinian, I., *Mariana Is.* 98 Df
Tinkhannock, *Pennsylvania* 86 Cb
Tinnevelly. See Tirunelvelei
Tinogasta, *Argentina* 92 Cc
Tinos, I., *Greece* 57 Ef
Tinsukia, *India* 69 Jc
Tintigny, *Belgium* 44 De
Tintina, *Argentina* 92 Dc
Tinwald, *New Zealand* 93 Ce
Tioman Pulau, I., *W. Malaysia* 67 Cf
Tionesta, *Pennsylvania* 86 Ab
Tipperary & co., *Eire* 31 Bh
Tiracumba, Sa. de, *Brazil* 91 Hd
Tiran, I., *Arabia* 72 Bd
Tirana. See Tiranë
Tiranë, *Albania* 56 Bd
Tiraspol, *Moldavia* 60 Fh
Tire, *Turkey* 72 Ab
Tireboli, *Turkey* 72 Ca
Tiree I., *Scotland* 30 Cd
Tîrgu Jiu, *Rumania* 56 Db
Tîrgu Mures, *Rumania* 56 Ea
Tîrgu Lăpuş, *Rumania* 49 Ke
Tîrgu Ocna, *Rumania* 56 Fa
Tirich Mir, *W. Pakistan* 70 Bb
Tirlemont, *Belgium* 44 Cd
Tirlyanski, *Russia* 61 Pc
Tirnavos, *Greece* 57 De
Tirol, *Austria* 48 De
Tiruchchendur, *India* 68 Eg
Tiruchirappalli, *India* 68 Ef
Tiru Kona Malai. See Trincomalee
Tirunelvelei, *India* 68 Eg
Tirupati, *India* 68 Ef
Tiruvannamalai, *India* 68 Ef
Tisa R., *Yugoslavia* 56 Cb
Tisiye, *Syria* 74 Ee
Tissa, *Nigeria* 79 Hg
Tisza R., *Hungary* 49 Je
Titalyah, *E. Pakistan* 71 Gb
Titicaca, L., *Bolivia-Peru* 90 Dg
Titisee, *Germany* 48 Ce
Titograd, *Yugoslavia* 56 Bc
Titov-Veles, *Yugoslavia* 56 Cd
Titovo Uzice, *Yugoslavia* 56 Bc
Titu, *Rumania* 56 Eb
Titusville, *Pennsylvania* 83 Ge
Tiverton, *England* 31 Ek
Tiwi, *Muscat & Oman* 73 Ge
Tixkokob, *Mexico* 88 Gc
Tixtla, *Mexico* 88 Ed
Tizimin, *Mexico* 88 Gc
Tizi Ouzou, *Algeria* 78 Fa
Tjalang, *Sumatra* 63 Ck
Tjilatjap, *Java* 63 Em
Tjirebon, *Java* 63 Em
Tjörn, I., *Sweden* 47 Dg
Tlacotalpan, *Mexico* 88 Ed
Tlaltenango, *Mexico* 88 Dc
Tlapa, *Mexico* 88 Ed
Tlaxcala, *Mexico* 88 Ed
Tlaxiaco, *Mexico* 88 Ed
Tlemcen, *Algeria* 78 Eb
Tmessa, *Libya* 79 Jc
Toay, *Argentina* 92 De
Toba, *Japan* 66 Eg
Tobago, I., *Windward Is.* 89 Gd
Toba, Donau, *Sumatra* 63 Ck
Tobarra, *Spain* 51 Ec
Tobel, *Switzerland* 45 Ea
Tobelo, *Halmahera I.* 63 Jk
Tobermory, *Ontario* 83 Fc
Tobermory, *Scotland* 30 Cd
Toboali, *Bangka I., Indonesia* 63 El
Tobol, *Russia* 61 Rd
Toboli, *Celebes* 63 Hl
Tobolsk, *Russia* 58 Fc
Tobruk, *Libya* 79 Kb
Tocantinópolis, *Brazil* 91 He
Tocina, *Spain* 50 Cd
Toco, *Chile* 92 Cb
Tocopilla, *Chile* 92 Bb
Tocuyo, *Venezuela* 90 Cb
Todenyang, *Kenya* 77 Hd
Todos Santos, *Mexico* 88 Bc
Todos Santos, B., *Mexico* 88 Aa
Togarakaikyo, *Japan* 66 Aj
Toghraqbulaq, *China* 62 Bb
Togo, *West Africa* 78 Fg
To Huping Tso, *Tibet* 69 Fb
Tojo, *Japan* 66 Cg
Tokachi Dake, *Japan* 66 Hc
Tokanga, *Russia* 58 Db
Tokanui, *New Zealand* 93 Bg
Tokar, *Sudan* 77 Ha
Tokara Retto, *Japan* 66 Nn
Tokat, *Turkey* 72 Ca
Tokelau Is., *Pacific Ocean* 98 Hh
Tokmak, *Kirgizia* 58 Gd
Toko, *New Zealand* 93 Ec
Tokomaru, *New Zealand* 93 Gc
Tokoto, *China* 64 Eb
Tokushima, *Japan* 66 Dh
Tokuyama, *Japan* 66 Bg
Tokyo & B., *Japan* 66 Fg
Tolaga Bay, *New Zealand* 93 Gc
Tolbukhin, *Bulgaria* 56 Fc
Toledo, *Chile* 92 Bc
Toledo, *Ohio* 83 Ee
Toledo, *Spain* 50 Cc
Toledo, Mtes. de, *Spain* 50 Cc
Tolen & I., *Netherlands* 44 Cc
Tolmin, *Yugoslavia* 54 Db
Tolo, G. of, *Celebes* 63 Hl
Toluca, *Mexico* 88 Ed
Tolun, *China* 64 Ha
Tölz, Bad, *Germany* 48 De
Tomah, *Wisconsin* 83 Ac
Tomahawk, *Wisconsin* 83 Bc
Tomar, *Portugal* 50 Ac
Tomari, *Russia* 59 Pd
Tomaszów Mazowiecki, *Pol.* 49 Jc
Tomatumari, *Guyana* 90 Fb
Tombigbee R., *Alabama* 85 Je
Tombouctou, *Mali* 78 Ee
Tome, *Chile* 92 Be
Tomiko, *Ontario* 83 Gb
Tomini, G. of, *Celebes* 63 Hl
Tomkinson Ra., *W. Aust.* 94 Ee
Tommot, *Russia* 59 Mc
Tomsk, *Russia* 59 Hc
Tom's River *New Jersey* 83 Jf
Tonala, *Mexico* 88 Fd
Tonawanda, *New York* 86 Aa
Tönder, *Denmark* 47 Cj
Tondi, *India* 68 Eg
Tonga, *Sudan* 79 Mg
Tonga, Is., *Pacific Ocean* 98 Hk
Tongareva, I., *Pacific Ocean* 99 Kh
Tongeren, *Belgium* 44 Dd
Tongobory, *Madagascar* 77 Ml
Tongoy, *Chile* 92 Bd
Tongres. See Tongeren
Tongue, *Scotland* 30 Eb
Tongue R., *Montana* 84 Eb
Tonichi, *Mexico* 88 Cb
Tonk, *India* 68 Ec
Tonkhil, *Mongolia* 62 Ba
Tonking, N. *Vietnam* 67 Cb
Tonking, G. of, *N. Vietnam* 67 Db
Tonkova, *Russia* 58 Hb
Tonle Sap, *Cambodia* 67 Cd
Tonneins, *France* 53 Dd
Tonnerre, *France* 52 Fc
Tonopah, *Nevada* 87 Ef
Tönsberg, *Norway* 47 Dg
Tooele, *Utah* 87 Ge
Toowoomba, *Queensland* 95 Ke
Top Oz., *Karel.-Finland* 58 Cb
Topeka, *Kansas* 84 Gd
Topoľčany, *Czechoslovakia* 49 Hd
Topolobampo & B., *Mexico* 88 Cb
Torbat-e-Heydariyeh, *Iran* 73 Gb
Torbat-e-Jam, *Iran* 73 Hb
Torhout. See Thourout
Tori, *India* 71 Ed
Torino, *Italy* 54 Ac
Toriñana, C., *Spain* 50 Aa
Torit, *Sudan* 79 Mh
Tor Khama, *W. Pakistan* 70 Bc
Torma, *Estonia* 47 Mg
Torne Älv, *Sweden* 46 Kc
Torne Träsk, *Sweden* 46 Hb
Torneträsk, *Sweden* 46 Hb
Tornio, *Finland* 46 Ld
Tornquist, *Argentina* 92 De
Törökszentmiklós, *Hungary* 49 Je
Toroni, G. of, *Greece* 57 Dd
Toronto, *Ontario* 83 Gd
Tororo, *Uganda* 77 Gd
Toros Dağlari, Mts., *Turkey* 72 Bb
Torquay, *England* 31 Ek
Torre Annunziata, *Italy* 55 Ee
Torreblanca, *Spain* 51 Fb
Torre del Greco, *Italy* 55 Ee
Torrelaguna, *Spain* 50 Db
Torrelapaja, *Spain* 51 Eb
Torrelavega, *Spain* 50 Da
Torrens, L., *S. Australia* 95 Gf
Torrente, *Spain* 51 Ec
Torreon, *Mexico* 88 Db
Torres, *Mexico* 88 Bb
Torres Is., *Pacific Ocean* 98 Fj
Torres Str., *Queensland* 95 Hb
Torres Novas, *Portugal* 50 Ac
Torres Vedras, *Portugal* 50 Ac
Torrevieja, *Spain* 51 Ed
Torridon L., *Scotland* 30 Dc
Torrijos, *Spain* 50 Cc
Torrington, *Connecticut* 86 Db
Torrox, *Spain* 50 Dd
Torsby, *Sweden* 47 Ef
Tortola, I., *Virgin Is.* 89 Gc
Tortorici, *Sicily* 55 Ef
Tortosa, *Spain* 51 Fb
Tortue, I., *Haiti* 89 Eb
Tortuga I., *Mexico* 88 Bb
Torud, *Iran* 73 Gb
Torun, *Poland* 49 Hb
Tõrva, *Estonia* 47 Mh
Tory, I., *Eire* 30 Be
Torzhok, *Russia* 60 Jc
Tosa B., *Japan* 66 Ch
Tosashimizu, *Japan* 66 Ch
Toscana, dep., *Italy* 54 Cd
Tosco-Emiliano, Appennino, Mts., *Italy* 54 Cc
Tossa, *Spain* 51 Gb
Tostado, *Argentina* 92 Dc
Totana, *Spain* 51 Ed
Totling, *Tibet* 68 Eb
Totma, *Russia* 58 Dc
Totnes, *England* 31 Ek
Totonicapam, *Guatemala* 88 Fd
Totsk, *Russia* 61 Ld
Tottori, *Japan* 66 Dg
Touba, *Ivory Coast* 78 Dg
Toubkal, Mt., *Morocco* 78 Db
Touggourt, *Algeria* 78 Gb
Toul, *France* 52 Fb
Toulon, *France* 52 Fe
Toulouse, *France* 53 De
Toungoo, *Burma* 69 Je
Touquet, le, *France* 52 Da
Touraine, prov., *France* 52 Dc
Tourakom, *Laos* 69 Ke
Tourbis L., *Quebec* 83 Jb
Tourcoing, *France* 52 Ea
Tour-du-Pin, la, *France* 52 Fd
Tournai, *Belgium* 44 Bd
Tournon, *France* 53 Fd
Tournus, *France* 52 Fc
Tours, *France* 52 Dc
Touwsrivier, *Cape Province* 75 Cf
Towanda, *Pennsylvania* 86 Bb
Towari, *Celebes* 63 Hl
Townsville, *Queensland* 95 Jc
Towson, *Maryland* 86 Cc
Towueti Danau, *Celebes* 63 Hl
Towy R., *Wales* 31 Ej
Towyn, *Wales* 31 Eh
Toyama & B., *Japan* 66 Ef
Tozeur, *Tunisia* 79 Gb
Trabzon, *Turkey* 72 Ca
Tracadie, *New Brunswick* 82 Fc
Tradom, *Tibet* 69 Fc
Trairi, *Brazil* 91 Kd
Traiguen, *Chile* 92 Be
Traiguen, I., *Chile* 92 Bg
Trail, *British Columbia* 80 Hg
Traipú, *Brazil* 91 Ke
Tralee & B., *Eire* 31 Ah
Tramore, *Eire* 31 Ch
Tranås, *Sweden* 47 Fg
Trancas, *Argentina* 92 Cc
Trancoso, *Portugal* 50 Bb
Trang, *Thailand* 67 Be
Trangan, I., *Indonesia* 63 Km
Tranquebar, *India* 68 Ef
Transcona, *Manitoba* 80 Mg
Transvaal, S. *Africa* 75 Dd
Transylvania, *Rumania* 56 Da
Transylvanian Alps, *Rumania* 56 Db
Trapani, *Sicily* 55 Df
Traralgon, *Victoria, Aust.* 95 Jg
Trasimeno, L., *Italy* 54 Dd
Trasparga, *Spain* 50 Ba
Traunstein, *Germany* 48 Ee
Traverse, B., *Michigan* 83 Dc
Traverse Is., *Atlantic Ocean* 100 Ad
Traverse City, *Michigan* 83 Dc
Třebič, *Czechoslovakia* 49 Fd
Trebinje, *Yugoslavia* 56 Bc
Trebizond. See Trabzon
Treinta-y-Tres, *Uruguay* 92 Fd
Trelew, *Argentina* 92 Cf
Trelleborg, *Sweden* 47 Ej
Tremadoc B., *Wales* 31 Eh
Trembling Mt., *Quebec* 83 Jb
Tremiti Is., *Italy* 54 Ed
Tremont, *Maine* 82 Dd
Tremp, *Spain* 51 Fa
Trencin, *Czechoslovakia* 49 Hd
Trenel, *Argentina* 92 De
Trenque Lauquen, *Argentina* 92 De
Trent. See Trento
Trent Canal, *Ontario* 83 Gc
Trent R., *England* 31 Gg
Trentino-Alto Adige, reg., *It.* 54 Cb
Trento, *Italy* 54 Cb
Trenton, *Michigan* 83 Ed
Trenton, *Missouri* 85 Hc
Trenton, *New Jersey* 86 Cb
Trenton, *Ontario* 83 Hc
Tréport, le, *France* 52 Da
Tres Arroyos, *Argentina* 92 De
Tres Lomas, *Argentina* 92 De
Tres Marias, Is., *Mexico* 88 Cc
Tres Montes, Pen., *Chile* 92 Ag
Três Rio, *Brazil* 91 Jh
Tres Virgenes, Las, *Mexico* 88 Bb
Treves. See Trier
Treviso, *Italy* 54 Dc
Triana, *Spain* 50 Bd
Tricase, *Italy* 55 Gf
Trichinopoly. See Tiruchirappalli
Trichur, *India* 68 Ef
Trier, *Germany* 48 Bd
Trieste, *Italy* 54 Dc
Trikeri Str., *Greece* 57 De
Trikkala, *Greece* 57 Ce
Trikomo, *Cyprus* 74 Bb
Trim, *Eire* 33 Kf
Trincomalee, *Ceylon* 68 Fg
Trindade, I., *Atlantic Ocean* 97 Gl
Trinidad, *Bolivia* 90 Ef
Trinidad, *Colorado* 84 Fd
Trinidad, *Cuba* 89 Db
Trinidad, *Uruguay* 92 Ed
Trinidad, I., *Argentina* 92 De
Trinidad I., *West Indies* 90 Ea
Trinity & B., *Newfoundland* 82 Mb
Trinity R., *Texas* 84 Ge
Trionto C., *Italy* 55 Ff
Tripoli, *Lebanon* 74 Dc
Tripoli, *Libya* 79 Hb
Trípolis, *Greece* 57 Df
Tripolitania, *Libya* 79 Hc
Tripura, *India* 69 Hd
Tristan da Cunha, *Atl. Oc.* 97 Jm
Triunfo, *Mexico* 88 Bc
Trivandrum, *India* 68 Eg
Trn, *Bulgaria* 56 Dc
Trnava, *Czechoslovakia* 49 Gd
Trobriand Is., *Papua* 95 Ka
Trogir, *Yugoslavia* 54 Fd
Trois Pistoles, *Quebec* 82 Db
Trois Ponts, *Belgium* 44 Dd
Trois Rivières, *Quebec* 82 Bc
Troitsk, *Russia* 61 Qc
Troitsk, *Russia* 61 Fc
Troitsko Pechorsk, *Russia* 58 Eb
Trollhättan, *Sweden* 47 Eg
Trollheimen, *Norway* 46 Ce
Tromen, Mt., *Argentina* 92 Be
Tromsö, *Norway* 46 Hb
Tronchiennes, *Belgium* 44 Bc
Trondheim & Fd., *Norway* 46 De
Troödos, *Cyprus* 74 Ac
Troon, *Scotland* 30 De
Tropea, *Italy* 55 Ef
Troppau. See Opava
Trosa, *Sweden* 47 Gg
Trout Lake, *Michigan* 83 Db
Troy, *New York* 83 Kd
Troy, *Turkey* 72 Ab
Troyes, *France* 52 Fb
Truba, *Arabia* 72 Dd
Trubia, *Spain* 50 Ba
Trucial States, *Persian Gulf* 73 Fe
Truer Ra., *N. Terr., Aust.* 94 Fd
Trujillo, *Honduras* 89 Bc
Trujillo, *Peru* 90 Be
Trujillo, *Rep. Dominicana* 89 Ec
Trujillo, *Spain* 50 Cc
Trujillo, *Venezuela* 90 Cb
Truk I., *Caroline Is.* 98 Eg
Truksum, *Tibet* 69 Fb
Trumbull, Mt., *Arizona* 87 Gg
Truns, *Switzerland* 45 Db
Truro, *England* 31 Dk
Truro, *Nova Scotia* 82 Gd
Trutnov, *Czechoslovakia* 49 Fc
Tryavna, *Bulgaria* 56 Ec
Trzebnica, *Poland* 49 Gc
Tržič, *Yugoslavia* 54 Eb
Tsabong, *Botswana* 75 Ce
Tsagan Olom, *Mongolia* 62 Ca
Tsahura, *S. Yemen* 72 Eg
Tsamkong, *China* 67 Eb
Tsangbe, *Bhutan* 71 Gb
Tsanghsien, *China* 64 Hc
Tsangwu. See Wuchow
Tsaochow. See Hotseh
Tsaokiang, *China* 64 Gd
Tsaring Nor, *China* 62 Cd
Tsaritsyn. See Volgograd
Tschenstochau. See Czestochowa
Tschiertschen, *Switzerland* 45 Eb
Tsehchow. See Tsincheng
Tsengshing, *China* 65 Fl
Tses, *S.-W. Africa* 75 Be
Tsesis. See Cesis
Tshikapa, *Congo* 76 Ef
Tsho Mirari L., *Kashmir* 70 Fd
Tsimlyanskoye Vdkhr., *Russ.* 61 Ff
Tsinan, *China* 64 Hd
Tsincheng, *China* 64 Fe
Tsinchow. See Tienshai
Tsin-chow, *China* 64 Gc
Tsingchow. See Yitu
Tsing Hai. See Ching Hai
Tsingkiang, *China* 65 Gh
Tsingkiang, *China* 64 Jf
Tsingkow, *China* 64 Je
Tsingtao, *China* 64 Kd
Tsingyüan. See Paoting
Tsingyün, *China* 65 Fl
Tsining, *China* 62 Gc
Tsinkiang, *China* 65 Jk
Tsinyang, *China* 64 Fe
Tsitsihar, *China* 62 Ha
Tsivory, *Madagascar* 77 Nl
Tsivylsk, *Russia* 61 Hc
Tskhinvali, *Gruzinskaya S.S.R.* 58 Dd
Tso-motre-tung, L., *Tibet* 69 Gc
Tsu, *Japan* 66 Eg
Tsugaru Str., *Japan* 66 Gd
Tsugitaka, Mt. See Tsukao Shan
Tsukao Shan, Mt., *Taiwan* 62 Hf
Tsungfa, *China* 65 Fl
Tsungming, *China* 64 Kg
Tsungtso, *China* 62 Ef
Tsunhwa, *China* 64 Hb
Tsunyi, *China* 65 Cj
Tsuruga, *Japan* 66 Eg
Tsuruoka, *Japan* 66 Fe
Tsuyama, *Japan* 66 Dg
Tsuyung, *China* 62 De
Tua, *Congo* 76 De
Tua, *Portugal* 50 Bb
Tuakau, *New Zealand* 93 Eb
Tuamarino, *New Zealand* 93 Dd
Tuamotu Arch., *Pacific Oc.* 99 Mj
Tuao, *Philippines* 63 Hg
Tuapse, *Russia* 58 Cd
Tuatapere, *New Zealand* 93 Ag
Tuba, R, *Russia* 59 Jc
Tubai, I., *Society Islands* 99 Lj
Tubarão, *Brazil* 92 Gc
Tubas, *Jordan* 74 De
Tubeiq, Jeb. el, *Jordan* 74 Fh
Tübingen, *Germany* 48 Cd
Tubize, *Belgium* 44 Cd
Tubuai, I., *Austral Islands* 99 Lk
Tubutama, *Mexico* 88 Ba
Tucacas, *Venezuela* 90 Da
Tuckernuck I., *Mass.* 86 Eb
Tuckerton, *New Jersey* 83 Jf
Tucson, *Arizona* 84 De
Tucumcari, *New Mexico* 84 Fd
Tucupare, *Brazil* 91 Fe
Tucupita, *Venezuela* 90 Eb
Tucurui, *Brazil* 91 Hd
Tudela, *Spain* 51 Ea
Tufi, *Papua* 95 Ja
Tug, *Turkey* 72 Db
Tuguegarao, *Philippines* 63 Hg
Tugur, *Russia* 59 Nc
Tukums, *Latvia* 47 Kh
Tula, *Mexico* 88 Ec
Tula, *Mexico* 88 Ec
Tula, *Russia* 60 Kd
Tulagi, I., *Solomon Islands* 98 Eh
Tulan. See Dulan
Tulancingo, *Mexico* 88 Ec
Tularosa, *New Mexico* 84 Ee
Tulcan, *Ecuador* 90 Bc
Tulcea, *Rumania* 56 Gb
Tulchin, *Ukraine* 60 Fg
Tulear, *Madagascar* 77 Ml
Tuli, *Rhodesia* 75 Dd
Tulkarm, *Jordan* 74 De
Tullamore, *Eire* 31 Cg
Tulle, *France* 53 Dd
Tulsa, *Oklahoma* 84 Gd
Tulua, *Colombia* 90 Bc
Tulun, *Russia* 59 Kc
Tumaco & Rada de, *Colomb.* 90 Bc
Tumany, *Russia* 59 Qb
Tumbes, *Peru* 90 Ad
Tumkur, *India* 68 Ef
Tumlong, *India* 71 Gb
Tummel R., *Scotland* 30 Ed
Tummo, *Libya* 79 Hd
Tump, W. *Pakistan* 68 Bc
Tumu, *Ghana* 78 Ef
Tumucumaque, Sa., *Brazil* 91 Gc
Tumupasa, *Bolivia* 90 Df
Tunas de Zaza, *Cuba* 89 Db
Tunbridge Wells, *England* 31 Hj
Tundla, *India* 68 Ec
Tundubai, *Sudan* 79 Kf
Tunduru, *Tanzania* 77 Hg
Tüngan, *China* 65 Ej
Tungchang. See Liaocheng
Tungchow, *China* 64 De
Tungchwan. See Hweitseh
Tungchwan. See Santai
Tunghai, *China* 64 Je
Tungho, *China* 62 Ja
Tunghsien, *China* 64 Hc
Tunghwa, *China* 62 Jb
Tungjen, *China* 65 Dj
Tungkun, *China* 65 Fl
Tungkwan, *China* 64 Ee
Tungkwan, *China* 64 De
Tungliao, *China* 62 Hb
Tungshan (Suchow), *China* 64 He
Tungtai, *China* 64 Kf
Tung Ting Hu, *China* 65 Fh
Tunguska, R., *Russia* 59 Jb
Tunhwang, *China* 62 Bb
Tuni, *India* 69 Fe
Tunis, *Tunisia* 79 Ha
Tunisia, *N. Africa* 79 Gb
Tunja, *Colombia* 90 Cb
Tunnsjö, *Norway* 46 Ed
Tunuyan & R., *Argentina* 92 Cd
Tuoy Khaya, *Russia* 59 Lb
Tuparoa, *New Zealand* 93 Gb
Tupelo, *Mississippi* 85 Je
Tupik, *Russia* 60 Hd
Tupilco, *Mexico* 88 Fd
Tupinambaranas, I., *Brazil* 90 Fd
Tupiza, *Bolivia* 90 Dh
Tupper Lake, *New York* 83 Jc
Tuquerres, *Colombia* 90 Bc
Tura, *India* 69 Hc
Tura, *Russia* 59 Jb
Turabah, *Arabia* 72 De
Turan, *Iran* 73 Gb
Turbo, *Colombia* 90 Bb
Turda, *Rumania* 56 Da
Tureia I., *Tuamotu Arch.* 99 Mk
Turfan & Depression, *China* 62 Ab
Turgay, *Kazakhstan* 58 Fd
Turgutlu, *Turkey* 72 Ab
Türi, *Estonia* 47 Lg
Turiaçu, *Brazil* 91 Hd
Turiamo, *Venezuela* 90 Da
Turin (Torino), *Italy* 54 Ac
Turkestan, *Kazakh, etc.* 58 Fd
Turkey, *Europe-Asia* 40 Be
Turkmenskaya rep., *U.S.S.R.* 58 Ed
Turks Is., *Bahamas Is.* 89 Eb
Turku, *Finland* 47 Kf
Turneffe Is., *Brit. Honduras* 89 Bc
Turnhout, *Belgium* 44 Cc
Türnovo, *Bulgaria* 56 Ec
Turnu Măgurele, *Rumania* 56 Ec
Turnu Severin, *Rumania* 56 Db
Turquino, Pico de, *Cuba* 89 Dc
Turrialba, *Costa Rica* 89 Ce
Turshiz. See Käshmar
Turtkul, *Uzbekistan* 58 Fd
Turukta, *Russia* 59 Lb
Turukhansk, *Russia* 58 Hb
Turzovka, *Czechoslovakia* 49 Hd
Tus, *Iran* 73 Gb
Tuscaloosa, *Alabama* 85 Je
Tuscarora Mts., *Pa.* 86 Bb
Tuscola, *Illinois* 83 Bf
Tuticorin, *India* 68 Eg
Tuttlingen, *Germany* 48 Ce
Tutuila, I., *Samoa* 98 Hj
Tuwairifa, *Arabia* 72 Ee
Tuxpan, *Mexico* 88 Ec
Tuxpan, *Mexico* 88 Cc
Tuxtepec, *Mexico* 88 Ed
Tuxtla & Vol. de, *Mexico* 88 Ed
Tuxtla Gutierrez, *Mexico* 88 Fd
Tuy, *Spain* 50 Aa
Tuyen-Quang, *N. Vietnam* 67 Db
Tuy-hoa, *S. Vietnam* 67 Dd
Tuyun, *China* 65 Cj
Tuz Golu, *Turkey* 72 Bb
Tuzla, *Yugoslavia* 56 Bb
Tvärån, *Sweden* 46 Jd
Tvurditsa, *Bulgaria* 56 Ec
Twante, *Burma* 69 Je
Tweed, *Ontario* 83 Hc
Tweed, R., *Scotland* 30 Fe
Tweedsmuir Hills, *Scotland* 30 Ee
Tweedsmuir Park, *B.C.* 80 Ff
Twenty-five de Mayo, *Argent.* 92 Ce
Twenty-five de Mayo, *Argent.* 92 De
Twin Falls, *Idaho* 87 Fd
Two Harbors, *Minnesota* 85 Hb
Two Mountains, L. of, *Que.* 83 Jc
Two Rivers, *Wisconsin* 83 Cc
Tyler, *Texas* 84 Ge
Tygda, *Russia* 59 Mc
Tyndinskiy, *Russia* 59 Mc
Tyndall, Mt., *New Zealand* 93 Ce
Tyne R., *England* 30 Ff
Tynemouth, *England* 30 Ge
Tynset, *Norway* 46 De
Tyre (Sur), *Lebanon* 74 Dd
Tyrone, *Pennsylvania* 86 Ab
Tyrone, co., *N. Ireland* 31 Cf
Tyrrhenian Sea, *Italy* 55 Ce
Tyumen, *Russia* 58 Fc
Tzechung, *China* 64 Gd
Tzeli, *China* 65 Eh
Tzeya Ho, *China* 62 Gc
Tzeyang, *China* 64 Gd
Tzeyun, *China* 65 Ck
Uau el Chebir. See Wau el Kebir
Uaupés & R., *Brazil* 90 Dc
Uba, *Brazil* 91 Jh
Ubait, *Arabia* 72 Cd
Ubari, *Libya* 79 Hc
Uberaba, *Brazil* 91 Hg
Uberlandia, *Brazil* 91 Hg
Überlingen, *Germany* 48 Ce
Ubon, Muang, *Thailand* 67 Cc
Ubsa Nur, *Mongolia* 59 Jc
Ucayali, R., *Peru* 90 Ce
Uch, *W. Pakistan* 70 Bf
Uchiura wan, *Japan* 66 Gc
Uchiza, *Peru* 90 Be
Uckermark, *Germany* 48 Eb
Udain, *Yemen* 72 Dg
Udaipur, *India* 68 Dd
Uddevalla, *Sweden* 47 Dg
Udd Jaur, *Sweden* 46 Gd
Uden, *Netherlands* 44 Dc
Udine, *Italy* 54 Db
Udon Thani, *Thailand* 67 Cc
Udskaya Guba, *Russia* 59 Nc
Udzha. See Bor Yuryakh
Uelen, *Russia* 59 Tb
Ueno, *Japan* 66 Eg
Ufa, *Russia* 61 Mc
Uganda, *E. Africa* 77 Gd
Ugwashi-Uku, *Nigeria* 76 Bc
Uherske Hradiště, *Czech.* 49 Gd
Ui Failghe, co., *Eire* 31 Bg
Uinta Mts., *Utah* 84 Dc
Uist, North, I., *Scotland* 30 Cc
Uist, South, I., *Scotland* 30 Cc
Uitenhage, *Cape Province* 75 Df
Uitgeest, *Netherlands* 44 Cb
Ujhani, *India* 71 Bb
Ujpest, *Hungary* 49 He
Ukerewe Is., *Tanzania* 77 Ge
Ukhta, *Russia* 58 Cb
Ukiah, *California* 87 Bf
Ukmerge, *Lithuania* 47 Lj
Ukraine, rep., *U.S.S.R.* 60 Eg
Ulan, *Mongolia* 59 Jd
Ulan Bator, *Mongolia* 62 Ea
Ulanhot, *China* 62 Ha
Ulan Ude, *Russia* 59 Kc
Ulcinj, *Yugoslavia* 56 Bd
Ulithi, I., *Pacific Ocean* 98 Cf
Ullapool, *Scotland* 30 Dc
Ullared, *Sweden* 47 Eh
Ulldecona, *Spain* 51 Fb
Ullswater L., *England* 31 Ff
Ullung Do, *Sea of Japan* 66 Bf
Ulm, *Germany* 48 Cd
Ulster, prov., *Eire-N. Ire.* 31 Bf
Ulua, R., *Honduras* 89 Bc
Ulukişla, *Turkey* 72 Bb
Ulverston, *England* 31 Ef
Ulyanovsk, *Russia* 61 Jc
Ulzen, *Germany* 48 Db
Uman, *Ukraine* 60 Gg
Umanak Fd., *Greenland* 39 Pb
Umarkot, W. *Pakistan* 68 Cc
Umbria, dep., *Italy* 54 Dd
Umeå, *Sweden* 46 Je
Umm ar Rusuys, *Muscat & Oman* 73 Ge
Umm el Qulban, *Arabia* 72 Dd
Umm Kuteira, *Sudan* 79 Lf
Umm Lej, *Arabia* 72 Cd
Umm Qasr, *Iraq* 72 Ec
Umm Rasas. See Umm ar Rusuys
Umm Ruwaba, *Sudan* 79 Mf
Umnak I., *Aleutian Is.* 85 Wm
Umtali, *Rhodesia* 75 Ec
Umtata, *Cape Province* 75 Df
Umvuma, *Rhodesia* 75 Ec
Una, *India* 70 Ee
Una R., *Yugoslavia* 54 Fc
Unadilla, *New York* 86 Ca
Uualakleet, *Alaska* 85 Wl
Unalaska, *Aleutian Is.* 85 Wm
Unayzah, *Arabia* 72 Dd
Uncastillo, *Spain* 51 Ea
Uncia, *Bolivia* 90 Dg
Undzhul. See Onjül
Ungava B., *Quebec* 81 Te
União, *Brazil* 91 Jd
União da Vitoria, *Brazil* 92 Fc
Uniejów, *Poland* 49 Hc
Unimak I., *Aleutian Is.* 85 Wm
Unini, *Peru* 90 Cf
Union, *Argentina* 92 Ce
Union, *Argentina* 92 Cc
Union, *S. Carolina* 85 Ke
Union of Soviet Socialist Republics, *Europe-Asia* 40-41
Uniontown, *Pennsylvania* 86 Ac

Upolu, I., *Samoa* 98 Hj
Upper Marlboro, *Maryland* 86 Bc
Upper Sandusky, *Ohio* 83 Ee
Upper Seal L., *Quebec* 81 Se
Upper Volta, *W. Africa* 78 Ef
Uppsala, *Sweden* 47 Gg
Uqair, *Arabia* 72 Ed
Ur, *Iraq* 72 Ec
Uracoa, *Venezuela* 90 Eb
Urakawa, *Japan* 66 Hc
Ural, R., *Kazakh., etc.* 58 Ec
Ural'sk, *Kazakhstan* 58 Ec
Ural'skiy Khrebet, *Russia* 58 Ec
Uranium City, *Saskatchewan* 80 Ke
Urapunga, *N. Terr., Aust.* 95 Fb
Ura Tyube, *Tadzhikskaya rep.* 58 Fe
Urawa, *Japan* 66 Fg
Urbakh, *Russia* 61 He
Urcos, *Peru* 90 Cf
Urda, *Kazakhstan* 58 Dd
Urdzhar, *Kazakhstan* 58 Hd
Ures, *Mexico* 88 Bb
Urfa, *Turkey* 72 Cb
Urga. See Ulan Bator
Urgench, *Uzbekistan* 58 Ed
Urgun, *Afghanistan* 73 Jc
Uri, canton, *Switzerland* 45 Db
Uribe, *Colombia* 90 Cc
Uribia, *Colombia* 90 Ca
Urnäsch, *Switzerland* 45 Ea
Urtazymsk, *Russia* 61 Pd
Urtein, *Mongolia* 62 Ga
Uruapan, *Mexico* 88 Dd
Urubamba & R., *Peru* 90 Cf
Urucará, *Brazil* 90 Fd
Uruçui, *Brazil* 91 Je
Urucuia, *Brazil* 91 Hg
Urudangi, *Queensland* 95 Gd
Uruguaiana, *Brazil* 92 Ec
Uruguay, rep., *S. America* 92 Ed
Uruguay, R., *Uruguay, etc.* 92 Ed
Urumchi, *China* 58 Hd
Urumes Sughra, *Syria* 74 Ea
Urussanga, *Brazil* 92 Gc
Urville, T. d', *W. Irian* 63 Ll
Uryupinsk, *Russia* 61 Fe
Urzhum, *Russia* 61 Kb
Urziceni, *Rumania* 56 Fb
Usak, *Turkey* 72 Ab
Usakos, *S.-W. Africa* 75 Bd
Usborne, Mt., *Falkland Is.* 92 Eh
Usedom, *Germany* 48 Ea
Ushant I. See Ouessant, I. d'
Ushirombo, *Tanzania* 77 Ge
Ush Tobe, *Kazakhstan* 58 Gd
Ushuaia, *Argentina* 92 Ch
Uska, *India* 71 Db
Uskedal, *Norway* 47 Ag
Uskub. See Skopje
Uskudar, *Turkey* 72 Aa
Usole Siberskoye, *Russia* 59 Kc
Uspenskiy, *Kazakhstan* 58 Gd
Usquil, *Peru* 90 Be
Ussel, *France* 52 Ed
Ussuri, R., *Russia-China* 59 Nd
Ussuriysk, *Russia* 59 Nd
Ust' Aldan, *Russia* 59 Mb
Ust' Amginskoye, *Russia* 59 Nb
Ust' Apuka, *Russia* 59 Rb
Ust' Belaya, *Russia* 59 Sb
Ust' Bolsheretsk, *Russia* 59 Qc
Ust' Chaun, *Russia* 59 Sb
Ust' Ishim, *Russia* 58 Gc
Ust' Kamenogorsk, *Kazakh.* 58 Hc
Ust' Khayryuzovo, *Russia* 59 Qc
Ust' Kut, *Russia* 59 Kc
Ust' Maya, *Russia* 59 Nb
Ust' Port, *Russia* 58 Hb
Ust' Sopochnoye, *Russia* 59 Qc
Ust' Tsilma, *Russia* 58 Eb
Ust' Uda, *Russia* 59 Kc
Ust' Usa, *Russia* 58 Eb
Ust' Uyskoye, *Russia* 61 Rc
Ustyurt, plat., *Kazakhstan* 58 Ed
Ustyuzhna, *Russia* 60 Kb
Usu. See Abuta
Usumacinta, R., *Mexico* 88 Fd
Utah, state, *U.S.A.* 84 Dd
Utah L., *Utah* 84 Dc
Utajarvi, *Finland* 46 Md
Utena, *Lithuania* 47 Lj
Utete, *Tanzania* 77 Hf
Uthal, *West Pakistan* 68 Cc
Utiariti, *Brazil* 90 Ff
Utica, *New York* 83 Jd
Utiel, *Spain* 51 Ec
Utikuma L., *Alberta* 80 He
Utraula, *India* 71 Db
Utrecht, *Natal* 75 Ee
Utrecht & prov., *Neth.* 44 Db
Utrera, *Spain* 50 Cd
Utrillas, *Spain* 51 Eb
Utsjoki, *Finland* 46 Mb
Utsunomiya, *Japan* 66 Ff
Uttar Pradesh, *India* 68 Ec
Uttaradit, *Thailand* 67 Cc
Uusikaarlepyy, *Finland* 46 Ke
Uusikaupunki, *Finland* 47 Jf
Uvac, *Yugoslavia* 56 Bc
Uvat, *Russia* 58 Fc
Uvea, I., *Loyalty Islands* 98 Fk
Uvira, *Congo* 77 Fe
Uwajima, *Japan* 66 Ch
Uxbridge, *Massachusetts* 86 Ea
Uxbridge, *Ontario* 83 Gc
Uxmal, *Mexico* 88 Gc
Uyu Chaung R., *Burma* 69 Jc
Uyuni, *Bolivia* 90 Dh
Uzbekskaya rep., *U.S.S.R.* 58 Fd
Uzdin, *Yugoslavia* 56 Cb
Uzgen, *Kirgizia* 58 Gd
Uzhgorod, *Ukraine* 60 Cg
Uzyansk, *Russia* 61 Nd
Vaal R., *S. Africa* 75 De
Vaalwater, *Transvaal* 75 Dd
Vaasä, *Finland* 46 Je
Vac, *Hungary* 49 He
Vache, I. La, *Haiti* 89 Ec
Vadsö, *Norway* 46 Na
Vaduz, *Liechtenstein* 45 Ea
Væröy, *Norway* 46 Ec
Vags Fd., *Norway* 46 Gb
Vah, R., *Czechoslovakia* 49 Gd
Vaila I., *Shetland, Scotland* 30 Ha
Vairowal, *India* 70 De
Valais, canton, *Switzerland* 45 Cb
Val Brillant, *Quebec* 82 Eb
Valcheta, *Argentina* 92 Cf
Valday, *Russia* 60 Hc
Valday Hills, *Russia* 60 Hc
Valdepeñas, *Spain* 50 Dc
Valderredible, *Spain* 50 Da
Valderrobres, *Spain* 51 Fb
Valdés, Pen., *Argentina* 92 Df
Valdez, *Alaska* 85 Yl
Valdivia, *Chile* 92 Be
Valdosta, *Georgia* 85 Ke
Valea-lui-Mihai, *Rumania* 49 Ke
Valença, *Brazil* 91 Je
Valença, *Brazil* 91 Kf
Valençay, *France* 52 Dc
Valence, *France* 53 Fd
Valencia, *Spain* 51 Ec
Valencia, *Venezuela* 90 Da
Valencia, Gulf of, *Spain* 51 Fc
Valencia de Alcántara, *Spain* 50 Bc
Valencia de Don Juan, *Spain* 50 Ca
Valenciennes, *France* 52 Ea
Văleni de Munte, *Rumania* 56 Fb
Valentia I., *Eire* 33 Ck
Valentin, Mt., *Chile* 92 Bg
Valera, *Venezuela* 90 Cb
Valga, *Estonia* 47 Mh
Valjala, *Estonia* 47 Kg
Valjevo, *Yugoslavia* 56 Bb
Valkeakoshi, *Finland* 47 Lf
Valkenburg, *Netherlands* 44 Dd
Valladolid, *Mexico* 88 Gc
Valladolid, *Spain* 50 Cb
Valldemosa, *Balearic Is.* 51 Gc
Valle-D'Aosta, reg., *Italy* 54 Ac
Valle de La Pascua, *Venez.* 90 Db
Valle de Santiago, *Mexico* 88 Dc
Valledupar, *Colombia* 90 Ca
Vallejo, *California* 87 Bf
Vallenar, *Chile* 92 Bc
Valletta, *Malta* 55 Eh
Valley City, *N. Dakota* 84 Gb
Valleyfield, *Quebec* 83 Jc
Vallgrund, *Finland* 46 Je
Vallorbe, *Switzerland* 45 Bb
Valmaseda, *Spain* 50 Da
Valmiera, *Latvia* 47 Lh
Valognes, *France* 52 Cb
Valona. See Vlorë
Valona B., *Albania* 57 Bd
Valoria la Buena, *Spain* 50 Cb
Valparaiso, *Chile* 92 Bd
Valparaiso, *Mexico* 88 Dc
Vals Platz, *Switzerland* 45 Eb
Valtimo, *Finland* 46 Ne
Valverde de Júcar, *Spain* 51 Dc
Valverde del Camino, *Spain* 50 Bd
Van & Gölu, *Turkey* 72 Db
Vana Vändra, *Estonia* 47 Lg
Vanavara, *Russia* 59 Kb
Van Buren, *Arkansas* 85 Hd
Van Buren, *Maine* 82 Ec
Vanceboro, *Maine* 82 Ed
Vancouver, *Brit. Columbia* 80 Gg
Vancouver, *Washington* 87 Bc
Vancouver I., *Brit. Columbia* 80 Fg
Vancouver, Mt., *Yukon* 80 Dd
Van Diemen, C., *N.T., Aust.* 94 Fb
Van Diemen G., *N.T. Aust.* 94 Fb
Vanegas, *Mexico* 88 Dc
Vänern, L., *Sweden* 47 Eg
Vänersborg, *Sweden* 47 Eg
Vangaindrano, *Madagascar* 77 Nl
Vankarem, *Russia* 59 Tb
Vannes, *France* 52 Bc
Vannöy, *Norway* 46 Ha
Van Rhyns Dorp, *Cape Prov.* 75 Bf
Vansittart I., *N.-W. Terr.* 81 Qc
Vanua Levu, I., *Fiji* 98 Gj
Var, dep., *France* 53 Ge
Varanasi, *India* 71 Dc
Varanger Fd., *Norway* 46 Pb
Varanger Halvöya, *Norway* 46 Na
Varaždin, *Yugoslavia* 54 Fb
Varberg, *Sweden* 47 Eh
Vardar R., *Greece, etc.* 56 Dd
Vardö, *Norway* 46 Pa
Vares, C. de, *Spain* 50 Ba
Varese, *Italy* 54 Bc
Varkaus, *Finland* 46 Me
Varna, *Bulgaria* 56 Fc
Varnavin, *Russia* 61 Gb
Värtsilä, *Finland* 46 Pe
Vasht. See Gasht
Vasknarva, *Estonia* 47 Mg
Vassar, *Michigan* 83 Ed
Vastanfors, *Sweden* 47 Fg
Västerås, *Sweden* 47 Gg
Väster Dal Älv, *Sweden* 47 Ef
Västervik, *Sweden* 47 Gh
Vasvar, *Hungary* 49 Ge
Vatican City, *Italy* 55 De
Vaticano C., *Italy* 55 Ef
Vatna Jökull, *Iceland* 46 Xm
Vatomandry, *Madagascar* 77 Nk
Vättern, L., *Sweden* 47 Fg
Vättis, *Switzerland* 45 Eb
Vaucluse, dep., *France* 53 Fd
Vaud, canton, *Switzerland* 45 Bb
Växjö, *Sweden* 47 Fh
Vaygach Ostrov, *Russia* 58 Fa
Vechel, *Netherlands* 44 Dc
Vedia, *Argentina* 92 Dd
Vedrin, *Belgium* 44 Cd
Veere, *Netherlands* 44 Bc
Vega & Fd., *Norway* 46 Dd
Vegorrítis, L., *Greece* 57 Cd
Vegreville, *Alberta* 80 Jf
Vejle, *Denmark* 47 Cj
Vela, *Argentina* 92 Ee
Velaines, *Belgium* 44 Bd
Velebit Planina, *Yugoslavia* 54 Ec
Velestínon, *Greece* 57 De
Vélez Rubio, *Spain* 51 Dd
Velikiy Ustyug, *Russia* 58 Db
Velikiye Luki, *Russia* 60 Gc
Velizh, *Russia* 60 Gd
Velletri, *Italy* 55 De
Vellore, *India* 68 Ef
Velp, *Netherlands* 44 Db
Velsen, *Netherlands* 44 Cb
Velsk, *Russia* 60 Na
Venado, *Mexico* 88 Dc
Venado Tuerto, *Argentina* 92 Dd
Vendee, dep., *France* 52 Cc
Vendôme, *France* 52 Dc
Venendaal, *Netherlands* 44 Db
Veneto, reg., *Italy* 54 Cc
Venezia, & G. di, *Italy* 54 Dc
Venezuela, rep., *S. America* 90 Db
Venezuela, G. de, *Venezuela* 90 Ca
Vengurla, *India* 68 De
Venice. See Venezia
Venlo, *Netherlands* 44 Ec
Venraij, *Netherlands* 44 Dc
Ventotene, I., *Italy* 55 De
Ventspils, *Latvia* 47 Jh
Ventura, *California* 87 Dh
Vera. See Jobson
Vera, *Spain* 51 Ed
Veracruz and state, *Mexico* 88 Ed
Veramin, *Iran* 73 Fb
Veraval, *India* 68 Dd
Verbania, *Switzerland* 45 Dc
Vercelli, *Italy* 54 Bc
Verde C. See Vert C.
Verdun, *France* 52 Fb
Verdun, *Quebec* 83 Kc
Vereshchagino, *Russia* 58 Hb
Vereshchagino, *Russia* 61 Ma
Vereya, *Russia* 61 Cc
Verga C., *Guinea* 78 Cf
Vergara, *Uruguay* 92 Fd
Vergennes, *Vermont* 83 Kc
Verín, *Spain* 50 Bb
Verkhne Imbatskoye, *Russia* 58 Hb
Verkhne Uralsk, *Russia* 61 Pd
Verkhne Vilyuysk, *Russia* 59 Mb
Verkhoturye, *Russia* 58 Fc
Verkhoyansk, *Russia* 59 Nb
Verkhoyanskiy Khr., *Russia* 59 Mb
Vermillion, *S. Dakota* 84 Gc
Vermont, state, *U.S.A.* 85 Mc
Verneuil, *France* 52 Db
Vernon, *British Columbia* 80 Hf
Veroia, *Greece* 57 Dd
Verona, *Italy* 54 Cc
Verrieres, Ies, *Switzerland* 45 Bb
Versailles, *France* 52 Eb
Versam, *Switzerland* 45 Eb
Vert C., *Senegal* 78 Bf
Verte, I., *Quebec* 82 Dc
Vertryck, *Belgium* 44 Cd
Verviers, *Belgium* 44 Dd
Vervins, *France* 52 Eb
Vesanto, *Finland* 46 Me
Vesoul, *France* 52 Gc
Vessem, *Netherlands* 44 Dc
Vesta. See Pandora
Vesterålen, Is., *Norway* 46 Fb
Vestfjorden, *Norway* 46 Ec
Vest Spitsbergen, *Arctic Oc.* 58 Aa
Vest Vågöy, *Norway* 46 Eb
Vesyegonsk, *Russia* 60 Kb
Veszprem, *Hungary* 49 Ge
Vetluga & R., *Russia* 61 Gb
Veurne, *Belgium* 44 Ac
Vevey, *Switzerland* 45 Bb
Vex, *Switzerland* 45 Cb
Veys, *Iran* 72 Ec
Viacha, *Bolivia* 90 Dg
Viana, *Brazil* 91 Jd
Viborg, *Denmark* 47 Ch
Vibo Valentia, *Italy* 55 Ff
Vicente de la Barquera, S., *Spain* 50 Ca
Vicenza, *Italy* 54 Cc
Vich, *Spain* 51 Gb
Vichuquen, *Chile* 92 Bd
Vichy, *France* 52 Ec
Vicksburg, *Mississippi* 85 He
Vicosa, *Brazil* 91 Jd
Victor Harbour, *S. Australia* 95 Gg
Victoria, *Argentina* 92 Dd
Victoria, *British Columbia* 80 Gg
Victoria, *Hong Kong* 62 Ff
Victoria, state, *Australia* 95 Hg
Victoria Falls, *Rhodesia* 75 Dc
Victoria I., *N.-W. Territories* 80 Jb
Victoria L., *Uganda, etc.* 77 Ge
Victoria Ld., *Antarctica* 100 Lb
Victoria Mt., *Burma* 69 Hd
Victoria, Mt., *Papua* 95 Ja
Victoria, R., *N. Terr., Aust.* 94 Fc
Victoria Point, *Burma* 69 Jf
Victoria River Downs, *N. Territory, Australia* 94 Ec
Victoriaville, *Quebec* 83 Kb
Victoria West, *Cape Province* 75 Cf
Victorica, *Argentina* 92 Ce
Vicuna, *Chile* 92 Bd
Vidago, *Portugal* 50 Bb
Vidin, *Bulgaria* 56 Db
Viedma, *Argentina* 92 Df
Viedma, L., *Argentina* 92 Bg
Vienna. See Wien
Vienne, *France* 52 Fd
Vienne, dep., *France* 52 Dc
Vienne R., *France* 52 Dc
Vientiane, *Laos* 67 Cc
Vieques, I. de, *West Indies* 89 Fc
Vierlingsbeek, *Netherlands* 44 Ec
Vierwaldstatter See, *Switz.* 45 Da
Vierzon Ville, *France* 52 Ec
Viesite, *Latvia* 47 Lh
Vietnam, *S.-E. Asia* 67 Dc
Vif, *France* 53 Fd
Vigan, *Philippines* 63 Hg
Vigan, le, *France* 53 Ee
Vigia, *Brazil* 91 Hd
Vigia Chico, *Mexico* 88 Gd
Vigo & R., *Spain* 50 Aa
Vigrestad, *Norway* 47 Ag
Vihanti, *Finland* 46 Ld
Vijayanagar, *India* 68 Ee
Vijayavada, *India* 68 Fe
Vijosë R., *Albania* 57 Bd
Vikaviskis, *Lithuania* 47 Kj
Vikna, *Norway* 46 Dd
Vila Arriaga, *Angola* 76 Cg
Vila de Cangombe, *Angola* 76 Dg
Vila de João Belo, *Moçamb.* 75 Ee
Vila Lugela. See Mocuba
Vila Luso, *Angola* 76 Dg
Vila Machado, *Moçambique* 75 Ec
Vila Manica, *Moçambique* 75 Ec
Vilanculos, *Moçambique* 75 Fd
Vilāne, *Latvia* 47 Mh
Vila Nova de Cerveira, *Port.* 50 Ab
Vila Nova de Famalicão, *Port.* 50 Ab
Vila Nova de Malaca, *Timor I., Indonesia* 63 Jm
Vila Pery, *Moçambique* 75 Ec
Vila Real, *Portugal* 50 Bb
Vilar Formoso, *Portugal* 50 Bb
Vila Serpa Pinto, *Angola* 76 Dg
Vila Velha de Rodao, *Port.* 50 Bc
Vila Verissimo, *Angola* 76 Ef
Vila Viçosa, *Portugal* 50 Bc
Vilcheka, Os., *Arctic Ocean* 58 Fa
Vilhelmina, *Sweden* 46 Gd
Vilhena, *Brazil* 90 Ef
Viljandi, *Estonia* 47 Lg
Villa Angela. See Santa Sylvina
Villa Bella, *Bolivia* 90 Df
Villa Bens, *Sp. Sahara* 78 Cc
Villablino, *Spain* 50 Ba
Villacañas, *Spain* 50 Dc
Villacarriedo, *Spain* 50 Da
Villach, *Austria* 48 Ee
Villa Cisneros, *Sp. Sahara* 78 Bd
Villa Constitución, *Argentina* 92 Dd
Villa del Rosario, *Paraguay* 92 Eb
Villa de Rosario, *Argentina* 92 Dd
Villa Dolores, *Argentina* 92 Cd
Villafranca, *Spain* 50 Ba
Villafranca del Cid, *Spain* 51 Eb
Villafranca del Panadés, *Sp.* 51 Fb
Villaggio-Duca-Abruzzi, *Somalia* 77 Kd
Villaguay, *Argentina* 92 Ed
Villa Guillermina, *Argentina* 92 Ec
Villa Hermosa, *Mexico* 88 Fd
Villa Hidalgo, *Mexico* 88 Db
Villa Ingavi, *Bolivia* 90 Eh
Villa Iris, *Argentina* 92 De
Villajoyosa, *Spain* 51 Ec
Villalba, *Spain* 50 Ba
Villaldama, *Mexico* 88 Db
Villalón de Campos, *Spain* 50 Ca
Villalonga, *Argentina* 92 De
Villalpando, *Spain* 50 Cb
Villa Maria, *Argentina* 92 Dd
Villa Mercedes, *Argentina* 92 Cd
Villa Montes, *Bolivia* 90 Eh
Villa Murtinho, *Brazil* 90 Df
Villanueva de Córdoba, *Sp.* 50 Cc
Villanueva de la Serena, *Sp.* 50 Cc
Villanueva de los Infantes, *Spain* 50 Dc
Villanueva -y Geltrú, *Spain* 51 Fb
Villaodrid, *Spain* 50 Ba
Villaputzu, *Sardinia* 55 Bf
Villarcayo, *Spain* 50 Da
Villareal, *Spain* 51 Ec
Villarrica, *Chile* 92 Be
Villarrica, *Paraguay* 92 Ec
Villarrobledo, *Spain* 51 Dc
Villavicencio, *Colombia* 90 Cc
Villaviciosa, *Spain* 50 Ca
Villa Viejo, *Colombia* 90 Bc
Villazon, *Bolivia* 90 Dh
Villefort, *France* 53 Ed
Villefranche-de-Rouergue, *France* 53 Dd
Ville Marie, *Quebec* 83 Gb
Villena, *Spain* 51 Ec
Villeneuve-sur-Lot, *France* 53 Dd
Villeurbanne, *France* 52 Fd
Villingen, *Germany* 48 Cd
Villupuram, *India* 68 Ef
Vilna. See Vilnyus
Vilnyus, *Lithuania* 47 Lj
Vilvoorde, *Belgium* 44 Cd
Vilyuysk, *Russia* 59 Mb
Vimioso, *Portugal* 50 Bb
Vimperk, *Czechoslovakia* 48 Ed
Viña del Mar, *Chile* 92 Bd
Vinai Haven I., *Maine* 82 Dd
Vinaroz, *Spain* 51 Fb
Vincennes, *Indiana* 83 Cf
Vinchiaturo, *Italy* 55 Ee
Vindel Alv, *Sweden* 46 Hd
Vindhya Ra., *India* 68 Ed
Vineland, *New Jersey* 86 Cc
Vineyard Sd., *Mass.* 86 Eb
Vinga, *Rumania* 56 Cb
Vinh, *N. Vietnam* 67 Dc
Vinkovci, *Yugoslavia* 56 Bb
Vinnitsa, *Ukraine* 60 Fg
Vintes, *Ecuador* 90 Bd
Viranşehir, *Turkey* 72 Cb
Virden, *Manitoba* 80 Lg
Virgin Is., *West Indies* 89 Gc
Virginia, *Minnesota* 85 Hb
Virginia, state, *U.S.A.* 85 Ld
Virginia Falls, *N.-W. Terr.* 80 Fd
Viroqua, *Wisconsin* 83 Ad
Virovitica, *Yugoslavia* 56 Ab
Virpazar, *Yugoslavia* 56 Bc
Virtasalmi, *Finland* 46 Me
Virton, *Belgium* 44 De
Virtsu, *Estonia* 47 Kg
Viru, *Peru* 90 Be
Vis, I., *Yugoslavia* 54 Fd
Visalia, *California* 87 Dg
Visby, *Gotland, Sweden* 47 Hh
Viscount Melville Sd., *N.-W. Territories* 80 Jb
Visé, *Belgium* 44 Dd
Viseu, *Brazil* 91 Hd
Viseu, *Portugal* 50 Bb
Vishakhapatnam, *India* 69 Fe
Viški, *Latvia* 47 Mh
Viso, Mte., *Italy* 54 Ac
Visoko, *Yugoslavia* 56 Bc
Visp, *Switzerland* 45 Cb
Vista Alegre, *Brazil* 90 Ec
Vistula. See Wisła
Vitebsk, *Belorussia* 60 Gd
Viterbo, *Italy* 54 Dd
Vitigudino, *Spain* 50 Bb
Viti Levu, I., *Fiji* 98 Gj
Vitim, R., *Russia* 59 Lc
Vitoria, *Brazil* 91 Jh
Vitoria, *Spain* 51 Da
Vitoria do Mearim, *Brazil* 91 Jd
Vitry-le-François, *France* 52 Fb
Vittangi, *Sweden* 46 Jc
Vitteaux, *France* 52 Fc
Vittoria, *Sicily* 55 Eg
Viver, *Spain* 51 Ec
Vivero, *Spain* 50 Ba
Vivi, *Russia* 59 Jb
Vivorata, *Argentina* 92 Ee
Vizianagram, *India* 69 Fe
Vizirul, *Rumania* 56 Fb
Vizovice, *Czechoslovakia* 49 Gd
Vizzini, *Sicily* 55 Eg
Vlaanderen, Oost, *Belgium* 44 Bd
Vlaanderen, West, *Belgium* 44 Bd
Vlaardingen, *Netherlands* 44 Cc
Vladimir, *Russia* 60 Mc
Vladimirovka, *Russia* 61 Hf
Vladivostok, *Russia* 59 Nd
Vlieland I., *Netherlands* 44 Ca
Vlissingen, *Netherlands* 44 Bc
Vlorë, *Albania* 57 Bd
Vltava R., *Czechoslovakia* 48 Fc
Voghera, *Italy* 54 Bc
Vohemar, *Madagascar* 77 Pj
Võhma, *Estonia* 47 Lg
Voi, *Kenya* 77 He
Voiotía, *Greece* 57 De
Voiron, *France* 52 Fd
Voitsberg, *Austria* 48 Fe
Voiviis, L., *Greece* 57 De
Vojvodina, *Yugoslavia* 56 Bb
Volcano B. See Uchiura wan
Volga, R., *Russia* 58 Dd
Volgograd, *Russia* 61 Gf
Volissos, *Greece* 57 Ee
Volkhov, R., *Russia* 60 Gb
Vollenhove, *Netherlands* 44 Db
Volochanka, *Russia* 59 Ja
Volochisk, *Ukraine* 60 Eg
Vologda, *Russia* 60 Lb
Volokolamsk, *Russia* 60 Jc
Vólos, *Greece* 57 De
Volovets, *Ukraine* 60 Cg
Volozhin, *Belorussia* 60 Ed
Volsk, *Russia* 61 Hd
Volta. See Upper Volta
Volta, L., *Ghana* 78 Eg
Volta, White, R., *Ghana* 78 Eg
Voltveti, *Estonia* 47 Lg
Vonêche, *Belgium* 44 Cd
Voorburg, *Netherlands* 44 Cb
Voorschoten, *Netherlands* 44 Cb
Voorst, *Netherlands* 44 Eb
Voorthuizen, *Netherlands* 44 Db
Vopnafjordhur, *Iceland* 46 Ym
Vorab, Mt., *Switzerland* 45 Eb
Vorarlberg, *Austria* 48 Ce
Vorauen, *Switzerland* 45 Da
Vorkuta, *Russia* 58 Fb
Vormsi, I., *Estonia* 47 Kg
Voronezh, *Russia* 60 Lf
Vosges, dep. & mts., *France* 52 Gb
Voss, *Norway* 47 Bf
Vostok I., *Pacific Ocean* 99 Kj
Votkinsk, *Russia* 61 Lb
Vouvry, *Switzerland* 45 Bb
Vouziers, *France* 52 Fb
Voxna, *Sweden* 47 Ff
Voyampolka, *Russia* 59 Qc
Voznesensk, *Ukraine* 60 Gh
Vrancv, *Czechoslovakia* 49 Jd
Vrangelya Ostrov, *Russia* 59 Sa
Vranje, *Yugoslavia* 56 Cc
Vratsa, *Bulgaria* 56 Dc
Vrbas, *Yugoslavia* 56 Bb
Vrchovina Českomoravska, *Czechoslovakia* 49 Fd
Vredefort, *O.F.S.* 75 De
Vrin, *Switzerland* 45 Eb
Vrindavan, *India* 71 Ab
Vroomshoop, *Netherlands* 44 Eb
Vršac, *Yugoslavia* 56 Cb
Vrůtky, *Czechoslovakia* 49 Hd
Vryburg, *Cape Province* 75 Ce
Vučitrn, *Yugoslavia* 56 Cc
Vukovar, *Yugoslavia* 56 Bb
Vulcano, I., *Italy* 55 Ef
Vulpera, *Switzerland* 45 Fb
Vuolijoki, *Finland* 46 Md
Vurbitsa, *Bulgaria* 56 Fc
Vyatka (Kirov), *Russia* 61 Ja
Vyatka, R., *Russia* 58 Dc
Vyazemskiy, *Russia* 59 Nd
Vyazma, *Russia* 60 Jd
Vyazniki, *Russia* 61 Fb
Vyborg, *Russia* 60 Fa
Vyrtsyarv Oz., *Estonia* 47 Mg
Vyru, *Estonia* 47 Mh
Vyshniy Volochek, *Russia* 60 Jc
Vyskov, *Czechoslovakia* 49 Gd
Vytegra, *Russia* 60 Ka
Wa, *Ghana* 78 Ef
Waalhaven, *Netherlands* 44 Cc
Waalwijk, *Netherlands* 44 Dc
Wabasca R., *Alberta* 80 Je
Wabash & R., *Indiana* 83 De
Waboose Dam, *Ontario* 81 Pf
Wabos. See Searchmont
Wabra, *Arabia* 72 Ed
Wabuda, I., *New Guinea* 95 Ha
Waco, *Texas* 84 Ge
Wad, *W. Pakistan* 68 Cc
Wadden Zee, *Netherlands* 44 Da
Waddington Mt., *B.C.* 80 Ff
Wad Hamid, *Sudan* 79 Me
Wadi-es-Sir, *Jordan* 74 Df
Wadi Gemal I., *Egypt* 79 Nd
Wadi Halfa, *Sudan* 79 Md
Wadi Musa, *Jordan* 74 Dg
Wad Medani, *Sudan* 79 Mf
Wafi, *Arabia* 72 De
Wageningen, *Netherlands* 44 Dc
Wager B., *N.-W. Territories* 81 Pc
Wagga Wagga, *N.S.W.* 95 Jg
Wagin, *W. Australia* 94 Cf
Wahla, *Arabia* 72 Df
Wahpeton, *N. Dakota* 80 Mg
Waiau, *New Zealand* 93 De
Waichow. See Waiyeung
Waigeo, I., *W. Irian* 63 Kl
Waiheke I., *New Zealand* 93 Eb
Waihi, *New Zealand* 93 Eb
Waikaia, *New Zealand* 93 Bf
Waikare, Moana, *N.Z.* 93 Fc
Waikari, *New Zealand* 93 De
Waikato, R., *New Zealand* 93 Ec
Waikouaiti, *New Zealand* 93 Cf
Waimakariri, R., *New Zealand* 93 De
Waimate, *New Zealand* 93 Cf
Waimes, *Belgium* 44 Ed
Wainganga R., *India* 68 Ed
Waingapu, *Sumba I., Indon.* 63 Hm
Wainwright, *Alaska* 85 Xk
Waipara, *New Zealand* 93 De
Waipawa, *New Zealand* 93 Fc
Waipukurau, *New Zealand* 93 Fd
Wairarapa, L., *New Zealand* 93 Ed
Wairau, R., *New Zealand* 93 Dd
Wairoa, *New Zealand* 93 Fc
Waitara, *New Zealand* 93 Ec
Waitomo, *New Zealand* 93 Ec
Waiuku, *New Zealand* 93 Eb
Waiyeung, *China* 65 Gl
Wajir, *Kenya* 77 Jd
Wakamatsu, *Japan* 66 Ff
Wakasa B., *Japan* 66 Dg
Wakatipu, L., *N. Zealand* 93 Bf
Wakayama, *Japan* 66 Dg
Wakba. See El Jafr
Wake I., *Pacific Ocean* 98 Ff
Wakefield, *England* 31 Gg
Wakonichi L., *Quebec* 82 Aa
Wakrah, *Qatar, Persian Gulf* 73 Fd
Wakuan Hu, *China* 64 Hf
Walachia, *Rumania* 56 Eb
Walbrzych, *Poland* 49 Gc
Walcheren I., *Netherlands* 44 Bc
Wald, *Switzerland* 45 Da
Waldia, *Ethiopia* 77 Hb
Waldoboro, *Maine* 82 Dd
Waldport, *Oregon* 87 Ac
Walen See, *Switzerland* 45 Ea
Walenstadt, *Switzerland* 45 Ea
Wales, *Great Britain* 31 Eh
Walgett, *New S. Wales* 95 Jf
Walgreen Coast, *Antarctica* 100 Qb
Walker L., *Nevada* 87 Df
Walkerton, *Ontario* 83 Fc
Walkerville, *Ontario* 83 Ed
Wallace, *Idaho* 87 Fb
Wallaceburg, *Ontario* 83 Ed
Wallaroo, *S. Australia* 95 Gf
Wallaston, Mt., *N.T., Aust.* 94 Fc
Walla-Walla, *Washington* 87 Db
Wallenpaupack, L., *Pa.* 86 Cb
allowa Mts., *Oregon* 87 Ec
Walsall, *England* 31 Fh
Walsh, *Queensland* 95 Hc
Walsoorden, *Netherlands* 44 Cc
Waltham, *Massachusetts* 86 Ea
Waltham, *Quebec* 83 Hc
Walton, *New York* 86 Ca
Walvis Bay, *S.-W. Africa* 75 Ad
Walwale, *Ghana* 78 Ef
Wamba, *Congo* 77 Fd
Wamel, *Netherlands* 44 Dc
Wampsville, *New York* 83 Jd
Wana, *West Pakistan* 70 Ad
Wanaaring, *New S. Wales* 95 He
Wanaka & L., *New Zealand* 93 Bf
Wandiwash, *India* 68 Ef
Wandoan, *Queensland* 95 Je
Wandre, *Belgium* 44 Dd
Wandsbek, *Germany* 48 Db
Wan Fou Shan, *China* 65 Gh
Wanganui & R., *N. Zealand* 93 Ec
Wangaratta, *Victoria, Aust.* 95 Jg
Wanhsien, *China* 62 Ed
Wankie, *Rhodesia* 75 Dc
Wanning, *Hainan* 65 En
Wanping, *China* 64 Hc
Wanyuan, *China* 64 Df
Wapiti R., *Alberta* 80 Hf
Warandab, *Ethiopia* 77 Jc
Warangal, *India* 68 Ee
Wardair, *Ethiopia* 77 Kc
Wardha & R., *India* 68 Ed
Waremme, *Belgium* 44 Dd
Waren, *Germany* 48 Eb
Warka, *Poland* 49 Jc
Warmbad, *S.-W. Africa* 75 Be
Warmbaths, *Transvaal* 75 Dd
Warnemünde, *Germany* 48 Ea
Warner Valley, *Oregon* 87 Dd
Warner's Ra., *Oregon* 87 Cd
Warneton, *Belgium* 44 Ad
Warora, *India* 68 Ed
Warragul, *Victoria, Aust.* 95 Jg
Warren, *Illinois* 83 Bd
Warren, *Ohio* 83 Fe
Warren, *Pennsylvania* 86 Ab
Warrenpoint, *N. Ireland* 31 Cf
Warrenton, *Virginia* 86 Bc
Warri, *Nigeria* 78 Gg
Warrington, *England* 31 Fg
Warrnambool, *Victoria* 95 Hg
Warsaw, *Indiana* 83 De
Warsaw, *New York* 86 Aa
Warsaw. See Warszawa
Warszawa, *Poland* 49 Jb
Warta, *Poland* 49 Hc
Warta R., *Poland* 49 Hb
Warwick, *Queensland* 95 Ke
Warwick, *Rhode Island* 86 Eb
Warwick & co., *England* 31 Fh
Wasatch Mts., *Utah* 84 Dd
Wasen, *Switzerland* 45 Ca
Wash, The, *England* 31 Hh
Washakie Needles, *Wyoming* 84 Ec
Washington, *Dist. of Columb.* 83 Hf
Washington, *New Jersey* 86 Cb
Washington, *Ohio* 83 Ef
Washington, *Pennsylvania* 83 Fe
Washington, *Virginia* 86 Ac
Washington, state, *U.S.A.* 84 Bb
Washington I., *Pacific Ocean* 98 Jg
Washington Ld., *Greenland* 39 Qa
Washington, Mt., *N.H.* 82 Cd
Washir, *Afghanistan* 73 Hc
Washuk, *W. Pakistan* 68 Bc
Wasmes, *Belgium* 44 Bd
Wassen, *Switzerland* 45 Db
Waterbury, *Connecticut* 86 Db
Waterford, *New Brunswick* 82 Fd
Waterford (Port Láirge), *Eire* 31 Ch
Waterford Harb., *Eire* 31 Ch
Waterloo, *Belgium* 44 Cd
Waterloo, *Iowa* 85 Hc
Waterloo, *Ontario* 83 Fd
Waterloo, *Quebec* 83 Kc
Watertown, *New York* 83 Jd
Watertown, *S. Dakota* 84 Gc
Watertown *Wisconsin* 83 Bd
Waterville, *Maine* 82 Dd
Watervliet, *New York* 86 Da
Waterways, *Alberta* 80 Je
Watford, *England* 31 Gj
Watkins Glen, *New York* 86 Ba
Watlings I., *Bahama Is.* 89 Eb
Watou, *Belgium* 44 Ad
Watrous, *Saskatchewan* 80 Kf
Watsa, *Congo* 77 Fd
Watson Lake, *Yukon* 80 Fd
Watsonville, *California* 87 Cg
Watt, *New Brunswick* 82 Ed
Wau, *New Guinea* 95 Ja
Wau, *Sudan* 79 Lg
Wauchope, *N. Terr., Aust.* 95 Fd
Wau el Kebir, *Libya* 79 Jc
Waukegan, *Illinois* 83 Cd
Waukesha,

Wedgeport, *Nova Scotia* 82 Fe
Weed, *California* 87 Be
Weedon, *Quebec* 83 Lc
Weedsport, *New York* 86 Ba
Weert, *Netherlands* 44 Dc
Weesen, *Switzerland* 45 Ea
Weesp, *Netherlands* 44 Db
Weichang, *China* 64 Jb
Weiden, *Germany* 48 Ed
Weifang, *China* 64 Jd
Wei-hai, *China* 64 Ld
Wei Ho., R., *China* 62 Ed
Weihwei. See Chihsien
Weimar, *Germany* 48 Dc
Weinfelden, *Switzerland* 45 Ea
Weiser, *Idaho* 87 Ec
Wei Shan Hu, *China* 64 He
Weissenfels, *Germany* 48 Dc
Weisshorn, Mt., *Switzerland* 45 Cb
Weissmies, Mt., *Switzerland* 45 Db
Weisstannen, *Switzerland* 45 Ea
Wejh. See Al Wajh
Welford, *Queensland* 95 He
Welland, *Ontario* 83 Gd
Wellesley Is., *Queensland* 95 Gc
Wellin, *Belgium* 44 Dd
Wellingborough, *England* 31 Gh
Wellington, *New Zealand* 93 Ed
Wellington, I., *Chile* 92 Bg
Wells, *England* 31 Hh
Wells, *England* 31 Fj
Wells, *Nevada* 87 Fe
Wellsboro, *Pennsylvania* 86 Bb
Wellsville, *New York* 86 Ba
Wels, *Austria* 48 Ed
Welsford, *New Brunswick* 82 Ed
Welshpool, *Wales* 31 Eh
Wema, *Congo* 76 Ee
Wembo Niama, *Congo* 76 Ee
Wenatchee, *Washington* 87 Cb
Wenchow, *China* 65 Kh
Wenshan, *China* 65 Bl
Wensi, *China* 64 Ee
Wernhout, *Netherlands* 44 Cc
Wervershoof, *Netherlands* 44 Db
Wervica, *Belgium* 44 Bd
Wesel, *Germany* 48 Bc
Wesenberg, *Germany* 48 Eb
Weser R., *Germany* 48 Cb
Wessel Is., *N. Terr., Aust.* 95 Gb
West Allis, *Wisconsin* 83 Bd
West Barra, *Shetland Is.* 30 Ja
West Bend, *Wisconsin* 83 Bd
West Bengal, *India* 69 Gd
West Branch, *Michigan* 83 Dc
West Bromwich, *England* 31 Fh
Westbrook, *Maine* 82 Ce
West Chester, *Pennsylvania* 86 Cc
Westende, *Belgium* 44 Ac
Westerloo, *Belgium* 44 Cc
Westerly, *Rhode Island* 86 Eb
Western Australia, state, *Australia* 94 Dd
Wester Schelde, *Netherlands* 44 Bc
Westfalen, *Germany* 48 Cc
Westfield, *Massachusetts* 83 Kd
Westfield, *New Brunswick* 82 Ed
Westfield, *New York* 86 Aa
Westfield, *Pennsylvania* 86 Bb
West Hartlepool, *England* 31 Gf
West Indies, *Caribbean Sea* 97 Cg
West Irian, prov., *N. Guinea* 63 Kl
Westkapelle, *Netherlands* 44 Bc
West Lothian, co., *Scotland* 30 Ee
West Malaysia (Malaya), *S.-E. Asia* 63 Dk
Westmeath, co., *Eire* 31 Cg
Westminster, *Maryland* 86 Bc
Westmorland, co., *England* 31 Ff
West Nicholson, *Rhodesia* 75 Dd
Weston, *North Borneo* 63 Gj
Weston, *West Virginia* 83 Ff
Weston-super-Mare, *Eng.* 31 Fj
West Pakistan, *S. Asia* 68 Cc
West Palm Beach, *Florida* 85 Lf
West Point, *New York* 86 Db
Westport, *Eire* 31 Ag
Westport, *New Zealand* 93 Cd
Westport, *Ontario* 83 Hc
Westray I., *Orkney* 31 Ea
Westree, *Ontario* 83 Fb
West St. John, *N.B.* 82 Ed
West Riding, *Yorks, Eng.* 31 Fg
West Virginia, state, *U.S.A.* 85 Kd
Westwoud, *Netherlands* 44 Db
Wetar, I. & Str., *Indonesia* 63 Jm
Wetaskiwin, *Alberta* 80 Jf
Wetterhorn, Mt., *Switzerland* 45 Db
Wexford & co., *Eire* 31 Ch
Weyburn, *Saskatchewan* 80 Lg
Weymont, *Quebec* 83 Kb
Weymouth, *England* 31 Fk
Weymouth, *Nova Scotia* 82 Fd
Whakataki, *New Zealand* 93 Fd
Whakatane, *New Zealand* 93 Fb
Whale R., *Quebec* 81 Te
Whale, R., Gt. & Lit. *Quebec* 81 Re
Whales B. of, *Antarctica* 100 Mb
Whalsay I., *Shetland Is.* 30 Ja
Whangarei, *New Zealand* 93 Ea
Wharanui, *New Zealand* 93 Ed
Whataroa, *New Zealand* 93 Ce
Wheeler Pk., *Nevada* 87 Ff
Wheeling, *W. Virginia* 83 Fe
Whitbourne, *Newfoundland* 82 Mc
Whitby, *England* 31 Gf
Whitby, *Ontario* 83 Gd
White, B., *Newfoundland* 82 Ka
White Mts., *New Hampshire* 83 Lc
White R., *Arkansas* 85 Hd
White R., *S. Dakota* 84 Fc
White R., *Yukon* 80 Cd
Whitefish, *Montana* 84 Db
Whitefish B., *Michigan* 83 Db
Whitehall, *Michigan* 83 Cd
Whitehall, *New York* 83 Kd
Whitehaven, *England* 31 Ef
Whitehorse, *Yukon* 80 Dd
White Oil Springs. See Naft
White Pass, *Brit. Columbia* 80 Ee
White Plains, *New York* 86 Db
White River, *Ontario* 81 Qg
White River Junction, *Vermont* 85 Mc
White Volta, R., *Ghana* 78 Eg
Whiting, *New Jersey* 83 Jf
Whitney, *Ontario* 83 Gc
Whitney, Mt., *California* 87 Dg
Whittier, *California* 87 Dj
Wholdaia L., *N.-W. Terr.* 80 Ld
Wiarton, *Ontario* 83 Fc
Wichita, *Kansas* 84 Gd
Wichita Falls, *Texas* 84 Ge
Wick, *Scotland* 30 Eb
Wicklow & co., *Eire* 31 Ch
Wicklow Head, *Eire* 31 Ch
Wicklow Mts., *Eire* 31 Cg
Wielbark, *Poland* 49 Jb
Wielen, *Poland* 49 Gb
Wieliczka, *Poland* 49 Jd
Wielun, *Poland* 49 Hc
Wien, *Austria* 49 Gd
Wiener Neustadt, *Austria* 49 Ge
Wiesbaden, *Germany* 48 Cc
Wiesen, *Switzerland* 45 Eb
Wigan, *England* 31 Fg
Wight, I. of, *England* 31 Gk
Wigtown & co., *Scotland* 31 Ef
Wigtown B., *Scotland* 31 Ef
Wijhe, *Netherlands* 44 Eb
Wijk, *Netherlands* 44 Dd
Wijk, *Netherlands* 44 Dc
Wil, *Switzerland* 45 Ea
Wilcannia, *New. S. Wales* 95 Hf
Wildhorn, Mt., *Switzerland* 45 Cb
Wildstrubel, Mt., *Switzerland* 45 Cb
Wildwood, *New Jersey* 83 Jf
Wilhelmshaven, *Germany* 48 Cb
Wilkes Coast, *Antarctica* 100 Jc
Wilkes Ld., *Antarctica* 100 Hb
Wilkes Barre, *Pennsylvania* 86 Cb
Wilkin's Str., *Antarctica* 100 Sb
Wilkolaz, *Poland* 49 Kc
Willamette R., *Oregon* 87 Bc
Willemsdorp, *Netherlands* 44 Cc
Willemstad, *Curaçao I.* 90 Da
Willemstad, *Netherlands* 44 Cc
Williambury, *W. Australia* 94 Bd
William Creek, *S. Australia* 95 Ge
Williams, *Arizona* 84 Dd
Williams Pt., *N.-W. Terr.* 80 Hc
Williamsport, *Pennsylvania* 86 Bb
Willimantie, *Connecticut* 86 Db
Williston, *North Dakota* 84 Fb
Williston, *Cape Province* 75 Cf
Willmar, *Minnesota* 84 Gb
Willow L., *N.-W. Terr.* 80 Gd
Willow Lake R., *N.-W. Terr.* 80 Gd
Willowmore, *Cape Province* 75 Cf
Wills Mt., *Pennsylvania* 86 Ac
Wilmette, *Illinois* 83 Cd
Wilmington, *California* 87 Dj
Wilmington, *Delaware* 86 Cc
Wilmington, *N. Carolina* 85 Le
Wilnis, *Netherlands* 44 Cb
Wilno, *Ontario* 83 Hc
Wilson, *N. Carolina* 85 Ld
Wiltshire (Wilts), co., *Eng.* 31 Fj
Wiluna, *W. Australia* 94 De
Winburg, *Orange Free State* 75 De
Winchendon, *Massachusetts* 83 Kd
Winchester, *England* 31 Gj
Winchester, *Ontario* 83 Jc
Winchester, *Virginia* 86 Ac
Wind R., *Yukon* 80 Dc
Wind Cave Nat. Park, *South Dakota* 84 Fc
Windermere & L., *England* 31 Ff
Windhoek, *S.-W. Africa* 75 Bd
Windorah, *Queensland* 95 He
Wind River Pk. & Mts., *Wyo.* 84 Ec
Windsor, *Connecticut* 86 Db
Windsor, *England* 31 Gj
Windsor, *Nova Scotia* 82 Fd
Windsor, *Ontario* 83 Ed
Windsor, *Vermont* 83 Kd
Windsor Mills, *Quebec* 83 Lc
Windward Is., *West Indies* 89 Gd
Windward Pass, *West Indies* 89 Ec
Wingham, *Ontario* 83 Fd
Winisk R., *Ontario* 81 Pf
Winnebago L., *Wisconsin* 83 Bc
Winnemucca, *Nevada* 87 Ee
Winnemucca L., *Nevada* 87 De
Winner, *South Dakota* 84 Gc
Winning Pool, *W. Australia* 94 Bd
Winnipeg, *Manitoba* 80 Mg
Winnipeg, L., *Manitoba* 80 Mf
Winnipegosis, *Manitoba* 80 Mf
Winnipegosis, L., *Manitoba* 80 Lf
Winnipesaukee, L., *N.H.* 83 Ld
Winschoten, *Netherlands* 44 Ea
Winslow, *Arizona* 84 Dd
Winsted, *Connecticut* 86 Db
Winston-Salem, *N. Carolina* 85 Kd
Winter Ra. See Fremont Mts.
Winterhaven, *California* 87 Fj
Winterport, *Maine* 82 Dd
Winterswijk, *Netherlands* 44 Ec
Winterthur, *Switzerland* 45 Da
Winton, *New Zealand* 93 Bg
Winton, *Queensland* 95 Hd
Wisbech, *England* 31 Hh
Wisconsin, state, *U.S.A.* 85 Hc
Wisconsin R., *Wisconsin* 83 Bc
Wisconsin Rapids, *Wisconsin* 83 Bc
Wisła R., *Poland* 49 Jc
Wismar, *Germany* 48 Db
Witham R., *England* 31 Gg
Withlacoochee B., *Florida* 85 Kf
Witputs, *S.-W. Africa* 75 Be
Witry, *Belgium* 44 De
Witten, *Germany* 48 Bc
Wittenberg, *Germany* 48 Ec
Wittenberge, *Germany* 48 Db
Wittenoom, *Western Aust.* 94 Cd
Wittingen, *Germany* 48 Db
Wittstock, *Germany* 48 Eb
Włocławek, *Poland* 49 Hb
Woerden, *Netherlands* 44 Cb
Wognum, *Netherlands* 44 Db
Wohlen, *Switzerland* 45 Da
Wokam, I., *Indonesia* 63 Km
Wolbrom, *Poland* 49 Hc
Woleai, I., *Caroline Islands* 98 Dg
Wolfe I., *Ontario* 83 Hc
Wolfeboro, *New Hampshire* 83 Ld
Wolfsberg, *Austria* 48 Fe
Wolfville, *Nova Scotia* 82 Fd
Wolgast, *Germany* 48 Ea
Wolhusen, *Switzerland* 45 Ca
Wollal, *W. Australia* 94 Dc
Wollaston Foreland, *Greenland* 39 Mb
Wollaston Is., *Chile* 92 Cj
Wollaston L., *Saskatchewan* 80 Le
Wollongong, *New S. Wales* 95 Kf
Wolstenholme, C., *Quebec* 81 Rd
Wolvega, *Netherlands* 44 Eb
Wolverhampton, *England* 31 Fh
Wolverthem, *Belgium* 44 Cd
Wolverton, *England* 31 Gh
Woman River, *Ontario* 83 Eb
Wŏnsan, *Korea* 62 Jc
Wonthaggi, *Victoria, Aust.* 95 Jg
Wood R., *Saskatchewan* 80 Kg
Wood Buffalo Park, *Alberta* 80 Je
Woodbury, *New Jersey* 86 Cc
Woodlark I., *New Guinea* 95 Ka
Woodroffe, Mt., *S. Australia* 94 Fe
Woods Hole, *Massachusetts* 86 Eb
Woods, L., *N. Terr., Aust.* 94 Fc
Woods, L. of the, *Ontario* 80 Ng
Woodside, *Victoria, Aust.* 95 Jg
Woodstock, *Illinois* 83 Bd
Woodstock, *New Brunswick* 82 Ec
Woodstock, *Ontario* 83 Fd
Woodstock, *Vermont* 83 Kd
Woodstock, *Virginia* 86 Ac
Woodsville, *New Hampshire* 88 Kc
Woodville, *New Zealand* 93 Ed
Woomera, *S. Australia* 95 Gf
Woonsocket, *Rhode Island* 86 Eb
Wooramel, *W. Australia* 94 Be
Worcester, *Cape Province* 75 Bf
Worcester, *Massachusetts* 83 Ld
Worcester & co., *England* 31 Fh
Workington, *England* 31 Ef
Workum, *Netherlands* 44 Db
Worms, *Germany* 48 Cd
Worthington, *Minnesota* 84 Gc
Worthington, *Ontario* 83 Fb
Wotho, I., *Marshall Islands* 98 Ff
Woudenberg, *Netherlands* 44 Db
Woudrichem, *Netherlands* 44 Cc
Wounta. See Huaonta
Wour, *Chad* 79 Jd
Wouw, *Netherlands* 44 Cc
Wowoni, I., *Indonesia* 63 Hl
Wrangel I. See Vrangelya Ostrov.
Wrangell, *Alaska* 85 Zm
Wrangell, Mt., *Alaska* 85 Yl
Wrath C., *Scotland* 30 Db
Wrexham, *Wales* 31 Fg
Wright, *Philippines* 63 Jh
Wrigley, *N.-W. Territories* 80 Jd
Wrocław, *Poland* 49 Gc
Wubin, *W. Australia* 94 Cf
Wuchang, *China* 62 Jb
Wuchang, *China* 65 Gg
Wuchih, *Hainan Island* 62 Eg
Wuchow, *China* 65 El
Wuchwan, *China* 64 Eb
Wudam, *Muscat & Oman* 73 Ge
Wuestwezel, *Belgium* 44 Cc
Wuhan, *China* 64 Gg
Wuhing. See Huchow
Wuhsien. See Soochow
Wuhu, *China* 64 Jg
Wukang, *China* 65 Ej
Wukari, *Nigeria* 79 Gg
Wukiang, *China* 64 Gd
Wu Kiang, R., *China* 62 Ee
Wular L., *Kashmir* 70 Dc
Wuntho, *Burma* 69 Jd
Wuppertal, *Germany* 48 Bc
Württemberg, *Germany* 48 Cd
Wurung, *Queensland* 95 Hc
Wurzburg, *Germany* 48 Cd
Wurzen, *Germany* 48 Ec
Wusiang, *China* 64 Fd
Wusih, *China* 64 Kg
Wuti, *China* 64 Hd
Wutsin, *China* 64 Kg
Wuwei, *China* 64 Ad
Wu Yi Shan, *China* 65 Hj
Wuyüan, *China* 64 Db
Wuyun, *China* 62 Ja
Wyandotte, *Michigan* 83 Ed
Wyandra, *Queensland* 95 Je
Wye R., *England-Wales* 31 Fh
Wyk, *Germany* 48 Ca
Wyndham, *New Zealand* 93 Bg
Wyndham, *W. Australia* 94 Ec
Wynghene, *Belgium* 44 Bc
Wyoming, state, *U.S.A.* 84 Ec
Wyoming Pk., *Wyoming* 84 Dc
Wysokie Mazowieckie, *Poland* 49 Kb
Wyszkow, *Poland* 49 Jb
Xanthi, *Greece* 56 Ed
Xanxere, *Brazil* 92 Fc
Xapuri, *Brazil* 90 Df
Xeró. See Peristéra I.
Xilókastron, *Greece* 57 De
Xingu, *Brazil* 90 De
Xique Xique, *Brazil* 91 Jf
Yaan, *China* 62 Dd
Yaate, *Lebanon* 74 Ec
Yablonovy Khrebet, *Russia* 59 Lc
Yabrud, *Syria* 74 Ed
Yagvildino, *Russia* 61 Nc
Yakhtul, *Yemen* 72 Dg
Yakima, *Washington* 87 Cb
Yako, *Volta* 78 Ef
Yakoma, *Congo* 76 Ed
Yaku Jima, *Japan* 66 Aj
Yaku Kaikyo. See Tanegashima Kaikyo
Yakutsk, *Russia* 59 Mb
Yale, *British Columbia* 80 Gg
Yale, *Michigan* 83 Ed
Yalgoo, *W. Australia* 94 Ce
Yalinga, *Cent. Afr. Rep.* 76 Ec
Yalouke, *Cent. Afr. Rep.* 76 Dc
Yalta, *Russia* 60 Jj
Yalu, *China* 62 Ha
Yalu R., *China, etc.* 62 Hb
Yalung R., *China* 62 Dd
Yalutorovsk, *Russia* 58 Fc
Yamada. See Ise
Yamagata, *Japan* 66 Fe
Yamaguchi, *Japan* 66 Bg
Yamal, Polnostrov, *Russia* 58 Fa
Yambol, *Bulgaria* 56 Fc
Yamdok Tso, *Tibet* 69 Hc
Yamethin, *Burma* 69 Jd
Yampol, *Ukraine* 60 Fg
Yampol, *Ukraine* 60 Eg
Yamsk, *Russia* 59 Qc
Yamuna R., *India* 71 Aa
Yanam, *India* 69 Fe
Yanaoca, *Peru* 90 Cf
Yanbu 'al Bahr, *Arabia* 72 Ce
Yandoon, *Burma* 69 Je
Yangchow, See Kiangtu
Yangi Hissar, *China* 70 Ea
Yang-kao, *China* 64 Fb
Yangku. See Taiyuan
Yangtze Kiang, *China* 64 Eg
Yangyuan, *China* 64 Gb
Yankton, *S. Dakota* 84 Gc
Yannina. See Ioannina
Yaouiba, *Bolivia* 90 Eh
Yaoundé, *Cameroon* 79 Hh
Yap, I., *Pacific Ocean* 98 Cg
Yaraka, *Queensland* 95 Hd
Yarda, *Chad* 79 Je
Yarensk, *Russia* 58 Db
Yarim, *Yemen* 72 Dg
Yarkand, *China* 70 Ea
Yarmouth, *Maine* 82 Ce
Yarmouth, *Nova Scotia* 82 Ee
Yaroslavl, *Russia* 60 Lc
Yartsevo, *Russia* 59 Jb
Yarumal, *Colombia* 90 Bb
Yarylgach, *Russia* 60 Hj
Yasin, *Kashmir* 70 Cb
Yasothon, *Thailand* 63 Dg
Yass, *New South Wales* 95 Jf
Yatakala, *Niger* 78 Ff
Yathkyed L., *North-West Territories, Australia* 80 Md
Yatsushiro, *Japan* 66 Bh
Yatung, *Tibet* 69 Gc
Yauca, *Peru* 90 Cg
Yauri, *Peru* 90 Cf
Yautepec, *Mexico* 88 Ed
Yawata, *Japan* 66 Bh
Yazd, *Iran* 73 Fc
Yazdan, *Iran* 73 Hc
Yazd-e-Khrast, *Iran* 73 Fc
Ybbs, *Austria* 48 Fd
Ye, *Burma* 69 Je
Yecla, *Spain* 51 Ec
Yecora, *Mexico* 88 Cb
Yéfira, *Greece* 57 Dd
Yefremov, *Russia* 60 Le
Yegros, *Paraguay* 92 Ec
Yehkiatsi, *China* 62 Gd
Yehpaishow, *China* 64 Jb
Yehsien, *China* 64 Jd
Yelabuga, *Russia* 61 Lc
Yelan, *Russia* 61 Fe
Yelatma, *Russia* 61 Ec
Yeldyak, *Russia* 61 Nc
Yelets, *Russia* 60 Le
Yelizarovo, *Russia* 58 Fb
Yell I. & Sd., *Scotland* 30 Ja
Yellandu, *India* 68 Fe
Yellow R. See Hwang Ho
Yellow Sea, *China* 64 Ke
Yellowhead Pass, *Alberta* 80 Hf
Yellowstone, L., *Wyoming* 84 Dc
Yellowstone Nat. Park, *Wyoming* 48 Dc
Yellowstone R., *Montana* 84 Eb
Yelwa, *Nigeria* 78 Ff
Yemanzhelinka, *Russia* 61 Qc
Yemen, *S.-W. Asia* 72 Df
Yenakiyevo, *Ukraine* 60 Lg
Yenan. See Fushih
Yenangyaung. See Kyaukpadating
Yen-Bay, *North Vietnam* 67 Cb
Yenbo. See Yanbu 'al Bahr
Yencheng, *China* 64 Kf
Yenchih. See Mingshui
Yenchow. See Kienteh
Yenchow. See Tzeyang
Yenisey, R., *Russia* 58 Hb
Yeniseysk, *Russia* 59 Jc
Yeniseyskiy Zaliv, *Russia* 58 Ha
Yenkishih, *China* 62 Jb
Yenping. See Nanping
Yentai, *China* 64 Kd
Yeovil, *England* 31 Fk
Yeppoon, *Queensland* 95 Kd
Yeráki, *Greece* 57 Df
Yerbogachen, *Russia* 59 Kb
Yerevan, *Armyanskaya S.S.R.* 58 Dd
Yerofei Pavlovich, *Russia* 59 Mc
Yeropol, *Russia* 59 Rb
Yeshbum, *S. Yemen* 72 Eg
Yesseiy, *Russia* 59 Kb
Yeste, *Spain* 51 Dc
Yesud ha Ma'ala, *Israel* 74 Dd
Ye-u, *Burma* 69 Jd
Yeu, I. d', *France* 52 Bc
Yeungkong, *China* 62 Ff
Yeysk, *Russia* 58 Cd
Yhu, *Paraguay* 92 Ec
Yi, R., *Uruguay* 92 Ed
Yianisadhes Is., *Crete* 57 Fg
Yiannitsá, *Greece* 57 Dd
Yiáros. See Yioúra, I.
Yibna, *Israel* 74 Cf
Yidha, *Greece* 57 Dd
Yihsien, *China* 64 Gc
Yingchow. See Fowyang
Yingchwan, *China* 64 Cc
Yinghsien, *China* 64 Fc
Yingkisha. See Yangi Hissar
Yingkow, *China* 64 Lb
Yingtak, *China* 65 Fk
Yin Shan, *China* 64 Cb
Yioúra, I., *Greece* 57 Ef
Yithion, *Greece* 57 Df
Yitu, *China* 64 Jd
Yiyang, *China* 65 Fh
Yocalla, *Bolivia* 90 Dg
Yochow. See Yoyang
Yogovsk, *Russia* 61 Nb
Yoho Park, *Brit. Columbia* 80 Hf
Yokkaichi, *Japan* 66 Eg
Yoko, *Cameroon* 79 Hg
Yokohama, *Japan* 66 Fg
Yokosuku, *Japan* 66 Fg
Yokote, *Japan* 66 Ge
Yola, *Nigeria* 79 Hg
Yonago, *Japan* 66 Cg
Yone Zawa, *Japan* 66 Gf
Yonkers, *New York* 86 Db
Yonne, dep., *France* 52 Ec
York, *England* 31 Gg
York, *Nebraska* 84 Gc
York, *Pennsylvania* 86 Bc
York, *W. Australia* 94 Cf
York C., *Greenland* 39 Qb
York, C., *Queensland* 95 Hb
York Harbour, *Maine* 82 Ce
York Sd., *W. Australia* 94 Db
Yorke Pen., *S. Australia* 95 Gf
York Factory, *Manitoba* 81 Ne
Yorkshire (Yorks), co., *England* 31 Ff
Yorkshire Moors, *England* 31 Gf
Yorkshire Wolds, *England* 31 Gf
Yorkton, *Saskatchewan* 80 Lf
Yoro, *Honduras* 89 Bd
Yosemite Nat. Park, *Cal.* 87 Dg
Yoshkar Ola, *Russia* 61 Hb
Youghal & Harb., *Eire* 31 Bj
Youghiogheny River Res., *Penn, etc.* 86 Ac
Youkadouma, *Cameroon* 79 Jh
Young, *New South Wales* 95 Jf
Young I., *Balleny Islands* 100 Lc
Youngstown, *Ohio* 83 Fe
Yoyang, *China* 65 Fh
Yozgat, *Turkey* 72 Bb
Ypres, *Belgium* 44 Ad
Ypsilanti, *Michigan* 83 Ed
Yreka, *California* 87 Be
Yssingeaux, *France* 53 Fd
Ystad, *Sweden* 47 Ej
Ytterhogdal, *Sweden* 46 Fe
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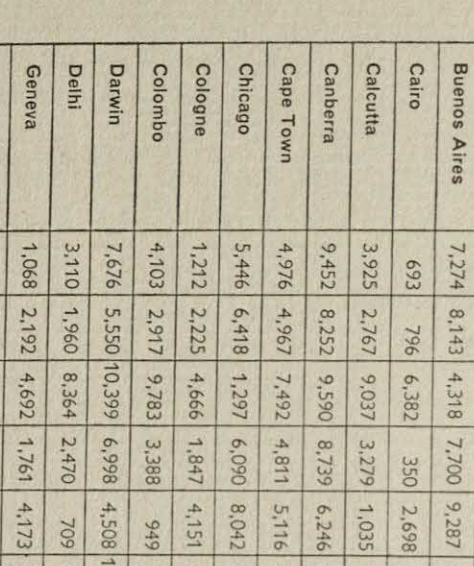
(STATUTE MILES)

	Athens	Baghdad	Bahamas (Nassau)	Beirut	Bombay	Brasilia	Buenos Aires	Cairo	Calcutta	Canberra	Cape Town	Chicago	Cologne	Colombo	Darwin	Delhi	Geneva	Hamburg	Hong Kong	Istanbul	Johannesburg	Lagos	Lisbon	London	Madrid	Moscow	Nairobi	New York	Oslo	Ottawa	Paris	Peking	Rio de Janeiro	Rome	San Francisco	Singapore	Sydney	Tokyo
Athens		1,199	5,737	716	3,211	5,937	7,274	693	3,925	9,452	4,976	5,446	1,212	4,103	7,676	3,110	1,068	1,268	5,310	345	4,434	2,544	1,772	1,501	1,466	1,402	2,838	4,921	1,625	4,820	1,306	4,737	6,035	648	6,791	5,627	9,522	5,906
Baghdad	1,199		6,880	513	2,012	6,942	8,143	796	2,767	8,252	4,967	6,418	2,225	2,917	5,550	1,960	2,192	2,186	4,258	1,004	4,245	3,208	2,970	2,554	2,660	1,599	2,442	5,985	2,386	5,837	2,394	3,914	6,939	1,824	7,460	4,431	8,324	5,196
Bahamas (Nassau)	5,737	6,880		6,449	8,792	3,457	4,318	6,382	9,037	9,590	7,492	1,297	4,666	9,783	10,399	8,364	4,692	4,740	9,070	5,879	7,879	5,454	4,102	4,335	4,301	5,673	7,779	1,096	4,670	1,404	4,486	7,868	4,025	5,072	2,761	10,613	9,477	7,596
Beirut	716	513	6,449		2,508	6,458	7,700	350	3,279	8,739	4,811	6,090	1,847	3,388	6,998	2,470	1,761	1,849	4,752	614	4,173	2,786	2,484	2,163	2,180	1,533	2,430	5,604	2,123	5,483	1,981	4,336	6,481	1,361	7,299	4,934	8,813	5,594
Bombay	3,211	2,012	8,792	2,508		8,546	9,287	2,698	1,035	6,246	5,116	8,042	4,151	949	4,508	709	4,173	4,057	2,672	2,995	4,737	3,832	4,981	4,481	4,671	3,139	2,819	7,786	4,129	7,569	4,353	2,945	8,339	3,831	8,392	2,432	6,312	4,183
Brasilia	5,937	6,942	3,457	6,458	8,546		1,466	6,158	9,563	8,730	4,281	4,738	5,678	8,855	10,484	8,845	5,448	5,888	11,187	6,269	4,327	3,832	4,531	5,456	6,945	6,945	5,852	4,242	6,157	4,571	5,421	10,531	569	5,523	6,072	7,970	8,777	10,996
Buenos Aires	7,274	8,143	4,318	7,700	9,287	1,466		7,366	10,279	7,272	4,279	5,624	7,135	9,167	9,117	9,815	6,892	7,348	11,467	7,616	5,044	4,933	5,985	6,919	6,266	8,388	6,473	5,303	7,624	6,878	12,001	1,213	6,945	1,321	6,465	9,863	7,311	11,403
Cairo	693	796	6,382	350	2,698	6,158	7,366		3,533	8,863	4,507	6,137	1,900	3,513	7,206	2,736	1,755	1,946	5,048	763	3,893	2,443	2,365	2,195	2,080	1,809	2,203	5,602	2,271	5,508	1,992	4,678	6,153	1,321	7,458	5,129	8,950	5,939
Calcutta	3,925	2,767	9,037	3,279	1,035	9,563	10,279	3,533		5,640	6,026	7,966	4,646	1,232	3,756	816	4,747	4,504	1,642	3,647	5,263	5,734	5,637	4,962	5,318	3,449	7,407	7,918	4,456	4,876	10,515	2,018	9,372	4,482	7,816	1,801	5,679	3,187
Canberra	9,452	8,252	9,590	8,739	6,246	8,730	7,272	8,863	5,640		6,685	9,379	10,276	5,350	1,952	6,440	10,385	10,107	4,596	9,237	6,703	9,503	11,221	10,569	10,915	9,013	2,548	10,090	10,007	10,515	8,026	8,339	10,093	7,572	3,863	148	4,933
Cape Town	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,372	5,224	790	2,974	5,333	6,010	5,339	6,313	2,548	7,804	6,503	8,026	5,784	5,251	10,252	6,001	6,830	9,147
Chicago	4,967	4,492	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	9,233	6,307
Cologne	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Colombo	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Darwin	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Delhi	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Geneva	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Hamburg	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Hong Kong	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Istanbul	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Johannesburg	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Lagos	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Lisbon	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
London	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Madrid	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Moscow	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Nairobi	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
New York	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Oslo	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Ottawa	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Paris	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Peking	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Rio de Janeiro	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Rome	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
San Francisco	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Singapore	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Sydney	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Tokyo	4,976	4,967	7,492	4,811	5,116	4,281	4,279	4,507	6,026	6,685		8,520	5,903	4,890	6,962	5,769	7,372	6,074	7,788	5,476	8,712	5,980	3,997	3,945	4,192	4,956	8,022	723	4,044	651	5,309	4,826	1,851	9,355	10,292	5,809
Vienna	793	1,764	5,126	1,390	3,703	5,928	7,358	1,470	4,245	9,885	5,673	4,701	463	4,658	8,008	3,448	507	476	5,418	779	5,181	2,971	1,432	791	1,122	1,033	3,624	4,227	848	4,095	648	4,636	6,136	477	5,997	6,027	9,923	5,681



P, P' = Poles
C = Centre of Earth
AB = Great Circle
FT = Two points on Great Circle AB. Thick line is the shortest distance between F and T

GREAT CIRCLE DISTANCES

Our Chart shows the shortest distance between any two places, calculated by the "great circle" method.

A great circle described on the surface of a globe is a circle which divides the globe into two exactly equal parts. If two points are marked on the globe and a great circle is described so as to pass through both points (and only one great circle can do so), then the length of the shorter of the two arcs of this great circle which lie between the two points is the shortest distance that can be measured between them. By using this method, the shortest distance between any two places on the Earth can be calculated.

On the various map projections in this Atlas, the great circle will appear in different shapes: it is important to appreciate the properties of the particular map in use if a great circle distance is to be measured from it.

A close degree of accuracy in obtaining a great circle distance can be achieved by the solution of a spherical trigonometry problem, the sides and angles of the triangle being made up from the relevant values from the sphere.

A great circle is the path of the rays detected by radio direction finders. All meridians are great circles.

WEATHER CHART

HOW HOT IS IT? Average monthly temperatures — in degrees Fahrenheit at sea-level													
JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	Height in feet above sea-level	
-18·0	-16·5	-8·5	8·5	31·0	49·0	56·5	50·0	38·0	20·0	-3·0	-16·0	30	Aklavik
83·5	82·0	76·5	67·5	59·5	54·0	53·0	58·0	65·0	73·0	78·5	82·0	1,901	Alice Springs
48·0	49·0	53·0	59·5	68·5	76·0	81·0	81·0	74·5	67·0	58·0	51·5	351	Athens
49·5	53·0	59·5	71·0	82·0	89·0	93·0	93·0	87·0	76·5	64·0	53·0	111	Baghdad
77·1	70·5	72·5	75·0	77·5	80·5	81·5	82·5	81·5	79·0	75·5	73·0	12	Bahamas (Nassau)
56·5	57·0	60·0	65·0	71·0	76·0	80·0	81·5	79·5	75·0	67·0	60·0	111	Beirut
75·0	75·0	79·0	82·5	85·5	84·0	81·0	80·5	80·5	82·5	81·0	78·0	37	Bombay
74·0	73·0	69·5	62·5	55·5	49·0	49·5	51·5	55·0	59·5	66·0	71·5	89	Buenos Aires
56·0	58·5	63·5	70·0	77·0	81·5	83·0	83·0	79·0	75·5	68·0	59·0	381	Cairo
67·5	71·5	81·0	86·0	86·5	85·5	84·0	83·5	84·0	81·5	74·0	67·0	21	Calcutta
68·5	68·5	63·5	55·5	48·5	43·5	42·5	45·0	49·5	55·5	61·5	66·5	1,837	Canberra
69·0	69·5	67·5	62·5	58·0	55·5	54·0	55·0	57·0	61·0	64·0	67·0	56	Cape Town
65·5	66·5	68·5	70·5	71·0	70·0	69·5	70·0	70·5	70·0	68·5	68·0	3,418	Caracas
73·0	73·5	73·5	72·5	69·5	67·0	68·0	70·0	73·0	74·0	73·5	72·5	2,723	Catalão
25·0	27·0	36·0	47·5	57·5	67·5	73·5	72·0	65·5	54·0	40·5	29·5	823	Chicago
61·5	61·0	58·0	53·5	48·0	43·5	42·5	44·0	48·5	53·0	56·5	60·0	32	Christchurch, N.Z.
36·0	38·0	43·0	49·5	57·5	62·5	65·5	64·5	59·0	51·0	43·0	38·0	184	Cologne
79·0	79·5	81·0	82·0	82·5	81·0	81·0	81·0	81·0	80·0	79·0	78·5	24	Colombo
83·5	83·5	84·0	84·0	82·0	78·5	77·0	79·5	82·5	85·0	86·0	85·0	97	Darwin
57·0	62·0	72·5	82·0	92·0	92·5	88·5	86·0	84·0	79·0	68·0	59·5	714	Delhi
61·0	60·5	61·0	62·5	64·5	67·5	70·5	71·5	71·5	69·5	66·0	62·5	82	Funchal, Madeira
34·0	36·5	43·0	49·5	57·0	64·0	67·5	66·5	60·5	51·0	42·0	35·5	1,329	Geneva
63·0	62·5	62·5	65·0	70·0	75·0	79·0	80·0	78·0	74·0	68·5	65·0	151	Hamilton, Bermuda
-5·5	-5·0	6·0	18·0	31·5	40·0	47·0	48·0	40·5	31·0	20·0	4·0	49	Hebron, Labrador
60·0	59·0	63·5	71·0	78·0	81·5	82·5	82·5	81·0	77·0	69·5	63·5	109	Hong Kong
40·5	42·0	45·5	53·0	60·5	68·5	73·0	73·5	68·0	60·5	53·5	46·0	59	Istanbul
48·0	49·0	55·5	61·5	69·0	72·5	75·0	75·5	73·5	70·0	61·5	52·0	2,485	Jerusalem
68·0	67·5	65·0	61·0	54·5	50·5	51·0	55·5	60·5	65·0	66·0	67·5	5,463	Johannesburg
81·0	83·0	83·5	83·0	81·5	79·5	78·5	77·5	78·5	79·5	81·5	81·5	10	Lagos
74·0	75·0	74·5	71·5	67·0	63·0	62·0	61·0	62·5	64·5	67·0	70·0	394	Lima
75·5	75·5	74·5	72·5	66·5	61·0	61·0	66·0	74·5	80·5	79·0	76·5	3,161	Livingstone
39·5	40·0	44·0	48·0	54·0	60·0	64·0	63·0	59·0	51·0	44·0	40·5	149	London
55·5	56·5	57·5	60·0	62·5	66·0	70·5	71·0	69·5	65·0	61·5	51·0	312	Los Angeles
49·5	51·0	53·5	57·5	64·0	70·5	75·0	76·5	72·5	65·5	57·5	51·5	75	Majorca
54·0	56·0	61·0	64·0	66·0	65·5	63·0	63·5	63·5	60·0	57·0	54·5	7,575	Mexico City
67·5	68·0	71·0	73·5	77·5	80·0	82·0	82·0	81·0	77·5	72·0	69·0	25	Miami
81·0	81·5	82·5	81·0	78·5	77·5	76·0	76·0	77·0	79·0	80·0	80·5	52	Mombasa
15·0	16·5	24·5	39·0	54·5	62·0	65·5	62·0	52·0	40·0	27·0	18·0	505	Moscow
65·5	67·0	67·0	66·5	64·0	61·5	60·0	61·0	63·5	65·5	65·0	64·5	5,971	Nairobi
54·5	57·5	63·0	69·0	75·5	81·0	83·0	83·0	79·5	71·5	62·5	56·0	8	New Orleans
30·5	31·0	37·5	49·5	60·5	68·5	74·0	73·0	69·5	59·0	44·0	35·0	314	New York
25·0	26·0	32·5	42·0	52·5	60·0	64·5	61·0	52·5	43·0	33·0	27·5	308	Oslo
12·0	12·5	25·5	41·0	55·0	65·0	69·5	66·0	58·0	45·5	32·5	16·5	339	Ottawa
37·0	39·0	44·0	50·5	57·0	62·5	65·5	65·0	59·5	51·5	43·5	38·0	164	Paris
74·0	74·0	71·0	66·5	61·0	57·0	55·5	56·0	58·5	61·5	66·5	71·0	197	Perth, W. Australia
78·5	79·0	77·5	74·5	71·5	70·0	69·0	70·0	70·0	71·5	73·5	76·5	201	Rio de Janeiro
64·0	63·5	61·5	56·5	51·0	47·5	45·5	47·0	50·5	54·5	57·5	61·5	980	Rotorua
46·5	47·5	52·0	57·0	64·5	71·0	76·0	76·0	72·0	63·0	54·5	48·5	377	Rome
23·5	22·0	27·5	35·5	42·5	52·5	59·5	61·0	54·5	46·5	37·0	29·0	243	St. John's, Newfoundland
50·0	53·0	54·5	56·5	57·0	59·0	59·0	59·0	62·0	61·0	57·0	52·0	52	San Francisco
34·5	37·0	40·5	48·5	58·5	67·0	72·0	71·5	64·0	56·5	44·5	39·0	75	Sevastopol
79·5	80·5	81·5	81·5	82·0	81·5	81·5	81·0	81·0	80·5	80·5	80·5	33	Singapore
71·5	71·5	69·5	64·5	59·0	54·5	53·0	55·5	59·0	63·5	67·0	70·0	138	Sydney
53·5	54·5	56·5	58·0	63·5	68·0	72·0	73·5	70·5	65·5	58·5	54·5	239	Tangier
24·5	30·0	41·5	56·5	68·5	77·5	81·5	79·5	70·5	58·0	41·0	28·5	13	Tientsin
38·0	39·5	45·0	54·5	62·5	69·5	76·5	79·0	72·5	62·0	51·5	42·5	19	Tokyo
64·0	64·0	62·0	59·5	56·5	54·0	53·5	54·0	55·0	57·5	60·5	62·5	135	Valparaiso, Chile
36·5	39·0	43·5	49·0	55·0	60·5	64·0	63·5	57·0	50·5	43·5	39·0	45	Vancouver
30·0	33·0	40·5	49·0	58·0	63·5	67·0	65·5	59·0	49·5	40·0	33·5	664	Vienna
-3·0	1·5	16·0	37·5	52·0	62·0	67·0	63·5	54·0	41·0	21·5	6·0	786	Winnipeg

HOW WET IS IT? Average monthly rainfall — in inches												
JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	Total for year
·5	·5	·4	·5	·5	·8	1·4	1·4	·9	·9	·8	·4	9·0
1·7	1·3	1·1	·4	·6	·5	·3	·3	·3	·7	1·2	1·5	9·9
2·2	1·6	1·4	·8	·8	·6	·2	·4	·6	1·7	2·8	2·8	15·9
·9	1·0	1·1	·5	·1	<·1	<·1	<·1	<·1	·1	·8	1·0	5·5
1·4	1·5	1·4	2·5	4·6	6·4	5·8	5·3	6·9	6·5	2·8	1·3	46·4
7·5	6·2	3·7	2·2	·7	·1	<·1	<·1	·2	2·0	5·2	7·3	35·1
·1	·1	·1	<·1	·7	19·1	24·3	13·4	10·4	2·5	·5	·1	71·2
3·1	2·8	4·3	3·5	3·0	2·4	2·2	2·4	3·1	3·4	3·3	3·9	37·4
·2	·2	·2	·1	·1	<·1	0	0	<·1	<·1	·1	·2	1·1
·4	1·2	1·4	1·7	5·5	11·7	12·8	12·9	9·9	4·5	·8	·2	63·0
1·9	1·7	2·2	1·6	1·8	2·1	1·8	2·2	1·6	2·2	1·9	2·0	23·0
·6	·3	·7	1·9	3·1	3·3	3·5	2·6	1·7	1·2	·7	·4	20·0
·9	·4	·6	1·3	3·1	4·0	4·3	4·3	4·2	4·3	3·7	1·8	32·9
11·8	10·2	8·8	3·8	1·1	·3	·5	·3	2·3	6·1	8·3	14·9	68·4
2·0	2·0	2·6	2·8	3·4	3·5	3·3	3·2	3·1	2·6	2·4	2·0	32·9
2·2	1·7	1·9	1·9	2·6	2·6	2·7	1·9	1·8	1·7	1·9	2·2	25·1
2·0	1·8	1·8	1·9	2·0	2·6	3·2	2·8	2·1	2·5	2·2	2·5	27·4
3·5	3·5	5·8	9·1	14·6	8·8	5·3	4·3	6·3	13·7	12·4	5·8	93·1
15·2	12·3	10·0	3·8	·6	·1	<·1	·1	·5	2·0	4·7	9·4	58·7
·9	·7	·5	·3	·5	2·9	7·1	6·8	4·6	·4	·1	·4	25·2
2·5	2·9	3·1	1·3	·7	·2	<·1	<·1	1·0	3·0	3·5	3·3	21·5
1·9	1·8	2·2	2·5	3·0	3·1	2·9	3·6	3·6	2·8	3·1	2·4	32·9
4·4	4·7	4·8	4·1	4·6	4·4	4·5	5·4	5·2	5·8	5·0	4·7	57·6
·9	·7	·9	1·1	1·6	2·1	2·7	2·7	3·3	1·6	1·1	·6	19·3
1·3	1·8	2·9	5·4	11·5	15·5	15·0	14·2	10·1	4·5	1·7	1·2	85·1
3·7	2·3	2·6	1·9	1·4	1·3	1·7	1·5	2·3	3·8	4·1	4·9	31·5
5·2	5·2	2·5	1·1	·1	<·1	0	0	<·1	·5	2·8	3·4	20·8
4·5	4·3	3·5	1·5	1·0	·3	·3	·3	·9	2·2	4·2	4·9	27·9
1·1	1·8	4·0	5·9	10·6	18·1	11·0	2·5	5·5	8·1	2·7	1·0	72·3
<·1	<·1	<·1	<·1	·2	·2	·3	·3	·3	·1	·1	<·1	1·6
5·7	6·0	4·3	1·0	·3	·1	0	<·1	·1	·9	2·9	5·2	26·5
2·0	1·5	1·4	1·8	1·8	1·6	2·0	2·2	1·8	2·3	2·5	2·0	22·9
3·1	3·0	2·8	1·0	·4	·1	<·1	<·1	·2	·6	1·2	2·6	15·0
1·4	1·6	1·5	1·3	1·3	1·0	·2	·8	2·5	2·8	2·8	2·2	19·4
·5	·2	·4	·8	2·1	4·7	6·7	6·0	5·1	2·0	·7	·3	29·5
2·8	2·1	2·5	3·2	6·8	7·0	6·1	6·3	8·0	9·2	2·8	2·0	58·8
1·0	·7	2·5	7·7	12·6	4·7	3·5	2·5	2·5	3·4	3;8	2·4	47·3
1·5	1·4	1·1	1·9	2·2	2·9	3·0	2·9	1·9	2·7	1·7	1·6·	24·8
1·5	2·5	4·9	8·3	6·2	1·8	·6	·9	1·2	2·1	4·3	3·4	37·7
4·6	4·2	4·7	4·8	4·5	5·5	6·6	5·8	4·8	3·5	3·8	4·6	57·4
3·7	3·8	3·6	3·2	3·2	3·3	4·2	4·3	3·4	3·5	3·0	3·6	42·8
1·7	1·3	1·4	1·6	1·8	2·4	2·9	3·8	2·5	2·9	2·3	2·3	26·9
2·9	2·2	2·8	2·7	2·5	3·5	3·4	2·6	3·2	2·9	3·0	2·6	34·3
1·5	1·3	1·5	1·7	2·0	2·1	2·1	2·0	2·0	2·2	2·0	1·9	22·3
·3	·4	·8	1·7	5·1	7·1	6·7	5·7	3·4	2·2	·8	·5	34·7
4·9	4·8	5·1	4·2	3·1	2·1	1·6	1·7	2·6	3·1	4·1	5·4	42·7
4·4	4·1	3·5	4·6	5·5	5·3	4·9	5·0	4·8	4·9	4·3	3·7	55·0
2·7	2·3	1·5	1·7	2·0	1·0	·6	·9	2·7	3·7	3·8	2·8	25·7
5·3	4·9	4·6	4·2	3·6	3·5	3·5	3·7	3·8	5·3	5·9	5·5	53·8
4·7	3·8	3·1	1·5	·7	·1	<·1	<·1	·3	1·0	2·5	4·4	22·1
1·1	1·1	1·1	·9	·6	1·1	·8	·6	1·1	1·5	1·2	1·1	12·2
9·9	6·8	7·6	7·4	6·8	6·8	6·7	7·7	7·0	8·2	10·0	10·1	95·0
3·5	4·0	5·0	5·3	5·0	4·6	4·6	3·0	2·9	2·8	2·9	2·9	46·5
4·5	4·2	4·8	3·5	1·7	·6	<·1	<·1	·9	3·9	5·8	5·4	35·3
·2	·1	·4	·5	1·1	2·4	7·4	6·0	1·7	·6	·4	·2	21·0
1·9	2·9	4·2	5·3	5·8	6·5	5·6	6·0	9·2	8·2	3·8	2·2	61·6
·1	<·1	·3	·6	4·1	5·9	3·9	2·9	1·3	·4	·2	·2	19·9
8·6	5·8	5·0	3·3	2·8	2·5	1·2	1·7	3·6	5·8	8·3	8·8	57·4
1·5	1·4	1·8	2·0	2·8	2·7	3·0	2·7	2·0	2·0	1·9	1·8	25·6
·9	·9	1·2	1·4	2·3	3·1	3·1	2·5	2·3	1·5	1·1	·9	21·2

< = less than

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